

ON ψ -FUNCTION AND 2-FIBONACCI SEQUENCES

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Abstract: It is shown that the two essential 2-Fibonacci sequences have bases with respect to function ψ with length 24 and their extensions have bases with respect to function ψ with length 216.

Keywords: Fibonacci sequence, ψ -function

AMS Classification: 11B39

1 Remarks on ψ -function

A digital arithmetic function will be described, following [1, 5].

Let

$$n = \sum_{i=1}^k a_i \cdot 10^{k-i} \equiv \overline{a_1 a_2 \dots a_k},$$

where a_i is a natural number and $0 \leq a_i \leq 9$ ($1 \leq i \leq k$). Let for $n = 0$: $\varphi(n) = 0$ and for $n > 0$:

$$\varphi(n) = \sum_{i=1}^k a_i.$$

We shall use the decimal count system everywhere hereafter.

Let us define a sequence of functions $\varphi_0, \varphi_1, \varphi_2, \dots$, where (l is a natural number)

$$\varphi_0(n) = n, \quad \varphi_{l+1} = \varphi(\varphi_l(n)).$$

Obviously, for every $l \in \mathcal{N}$: $\varphi_l : \mathcal{N} \rightarrow \mathcal{N}$. Since for $k > 1$

$$\varphi(n) = \sum_{i=1}^k a_i < \sum_{i=1}^k a_i \cdot 10^{k-i} = n.$$

Then for every $n \in \mathcal{N}$, $l \in \mathcal{N}$ will exist so that

$$\varphi_l(n) = \varphi_{l+1}(n) \in \Delta \equiv \{0, 1, 2, \dots, 9\}.$$

Let function ψ be defined by $\psi(n) = \varphi_l(n)$, where $\varphi_{l+1}(n) = \varphi_l(n)$.

Let be given the sequence a_1, a_2, \dots , with its members being natural numbers and let

$$c_i = \psi(a_i) \quad (i = 1, 2, \dots).$$

Hence, we deduce the sequence c_1, c_2, \dots from the former sequence. If k and l exist so that $l \geq 0$,

$$c_{i+l} = c_{k+i+l} = c_{2k+i+l} = \dots$$

for $1 \leq i \leq k$, then we, following [1], shall say that

$$[c_{l+1}, c_{l+2}, \dots, c_{l+k}]$$

is *base* of the sequence a_1, a_2, \dots with length of k and with respect to function ψ .

2 Main results

The Fibonacci sequence 0,1,1,2,3,5,... is an object of different modifications and extensions.

In [2, 3, 4] four different ways of constructing two sequences $\{\alpha_i\}_{i=0}^{\infty}$ and $\{\beta_i\}_{i=0}^{\infty}$ are described and called *2-Fibonacci sequences* (or *2-F-sequences*). The four schemes are the following

$$\begin{array}{ll} \alpha_0 = a, \beta_0 = b, \alpha_1 = c, \beta_1 = d & \alpha_0 = a, \beta_0 = b, \alpha_1 = c, \beta_1 = d \\ \alpha_{n+2} = \beta_{n+1} + \beta_n, n \geq 0 & \alpha_{n+2} = \alpha_{n+1} + \beta_n, n \geq 0 \\ \beta_{n+2} = \alpha_{n+1} + \alpha_n, n \geq 0 & \beta_{n+2} = \beta_{n+1} + \alpha_n, n \geq 0 \\ \\ \alpha_0 = a, \beta_0 = b, \alpha_1 = c, \beta_1 = d & \alpha_0 = a, \beta_0 = b, \alpha_1 = c, \beta_1 = d \\ \alpha_{n+2} = \beta_{n+1} + \alpha_n, n \geq 0 & \alpha_{n+2} = \alpha_{n+1} + \alpha_n, n \geq 0 \\ \beta_{n+2} = \alpha_{n+1} + \beta_n, n \geq 0 & \beta_{n+2} = \beta_{n+1} + \beta_n, n \geq 0 \end{array}$$

Obviously, the Third and the Fourth schemes contain two standard Fibonacci sequences and therefore they are trivial modification, while the first two schemes are essential extensions of Fibonacci sequence.

Theorem 1. The First 2-Fibonacci sequence has a base with respect to function ψ with lenght 24 and with members:

n	$\alpha'_n = \psi(\alpha_n) = \psi(\bullet)$	$\beta'_n = \psi(\beta_n) = \psi(\bullet)$
0	a	c
1	b	d
2	$c + d$	$a + b$
3	$a + b + d$	$b + c + d$
4	$a + 2b + c + d$	$a + b + c + 2d$
5	$a + 2b + 2c + 3d$	$2a + 3b + c + 2d$
6	$3a + 4b + 2c + 4d$	$2a + 4b + 3c + 4d$
7	$4a + 7b + 4c + 6d$	$4a + 6b + 4c + 7d$
8	$6a + b + 7c + 2d$	$7a + 2b + 6c + d$
9	$2a + 8b + c + 8d$	$a + 8b + 2c + 8d$
10	$8a + b + 8c$	$8a + 8c + d$
11	$8b + c$	$a + 8d$
12	$8c$	$8a$

13	$8d$	$8b$
14	$8a + 8b$	$8c + 8d$
15	$8b + 8c + 8d$	$8a + 8b + 8d$
16	$8a + 8b + 8c + 7d$	$8a + 7b + 8c + 8d$
17	$7a + 6b + 8c + 7d$	$8a + 7b + 7c + 6d$
18	$7a + 5b + 6c + 5d$	$6a + 5b + 7c + 5d$
19	$5a + 3b + 5c + 2d$	$5a + 2b + 5c + 3d$
20	$2a + 7b + 3c + 8d$	$3a + 8b + 2c + 7d$
21	$8a + b + 7c + d$	$7a + b + 8c + d$
22	$a + c + 8d$	$a + 8b + c$
23	$8a + d$	$b + 8c$

Theorem 2. The Second 2-Fibonacci sequence has a base with respect to function ψ with lenght 24 and with members:

n	$\alpha'_n = \psi(\alpha_n) = \psi(\bullet)$	$\beta'_n = \psi(\beta_n) = \psi(\bullet)$
0	a	c
1	b	d
2	$b + c$	$a + d$
3	$b + c + d$	$a + b + d$
4	$a + b + c + 2d$	$a + 2b + c + d$
5	$2a + 2b + c + 3d$	$a + 3b + 2c + 2d$
6	$3a + 4b + 2c + 4d$	$2a + 4b + 3c + 4d$
7	$4a + 7b + 4c + 6d$	$4a + 6b + 4c + 7d$
8	$6a + 2b + 7c + d$	$7a + b + 6c + 2d$
9	$a + 8b + 2c + 8d$	$2a + 8b + c + 8d$
10	$8a + 8c + d$	$8a + b + 8c$
11	$a + 8b$	$c + 8d$
12	$8c$	$8a$
13	$8d$	$8b$
14	$8a + 8d$	$8b + 8c$
15	$8a + 8b + 8d$	$8b + 8c + 8d$
16	$8a + 7b + 8c + 8d$	$8a + 8b + 8c + 7d$
17	$8a + 6b + 7c + 7d$	$7a + 7b + 8c + 6d$
18	$7a + 5b + 6c + 5d$	$6a + 5b + 7c + 5d$
19	$5a + 3b + 5c + 2d$	$5a + 2b + 5c + 3d$
20	$2a + 8b + 3c + 7d$	$3a + 7b + 2c + 8d$
21	$7a + b + 8c + d$	$8a + b + 7c + d$
22	$a + 8b + c$	$a + c + 8d$
23	$8c + d$	$8a + b$

Now, we will study the properties of the first two extended 2-F-sequences, that for arbitrary real numbers p, q have the forms:

$$\begin{array}{ll} \alpha_0 = a, \beta_0 = b, \alpha_1 = c, \beta_1 = d & \alpha_0 = a, \beta_0 = b, \alpha_1 = c, \beta_1 = d \\ \alpha_{n+2} = p\beta_{n+1} + q\beta_n, n \geq 0 & \alpha_{n+2} = p\alpha_{n+1} + q\beta_n, n \geq 0 \\ \beta_{n+2} = p\alpha_{n+1} + q\alpha_n, n \geq 0 & \beta_{n+2} = p\beta_{n+1} + q\alpha_n, n \geq 0 \end{array}$$

Theorem 3. The First 2-Fibonacci sequence has a base with respect to function ψ with lenght 216 and with members:

n	$\alpha'_n = \psi(\alpha_n) = \psi(\bullet)$	$\beta'_n = \psi(\beta_n) = \psi(\bullet)$
0	a	c
1	b	d
2	$qc + pd$	$qa + pb$
3	$pqa + p^2b + qd$	$qb + pqc + p^2d$
4	$q^2a + 2pqb + p^2qc + p^3d$	$p^2qa + p^3b + q^2c + 2pqd$
5	$p^3qa + (p^4 + q^2)b + 2pq^2c + 3p^2qd$	$2pq^2a + 3p^2qb + p^3qc + (p^4 + q^2)d$
6	$3p^2q^2a + 4p^3qb + (p^4q + q^3)c + (p^5 + 3pq^2)d$	$(p^4q + q^3)a + (p^5 + 3pq^2)b + 3p^2q^2c + 4p^3qd$
7	$(p^5q + 3pq^3)a + (p^6 + 6p^2q^2)b + 4p^3q^2c + (5p^4q + q^3)d$	$4p^3q^2a + (5p^4q + q^3)b + (p^5q + 3pq^3)c + (p^6 + 6p^2q^2)d$
8	$(5p^4q^2 + q^4)a + (6p^5q + 4pq^3)b + (p^6q + 6p^2q^3)c + (p^3q^2 + p)d$	$(p^6q + 6p^2q^3)a + (p^3q^2 + p)b + (5p^4q^2 + q^4)c + (6p^5q + 4pq^3)d$
9	$(p^3q^3 + pq)a + (6p^4q^2 + p^2 + q^4)b + (6p^5q^2 + 4pq^4)c + (7p^6q + p^2q^3)d$	$(6p^5q^2 + 4pq^4)a + (7p^6q + p^2q^3)b + (p^3q^3 + pq)c + (6p^4q^2 + p^2 + q^4)d$
10	$(7p^6q^2 + p^2q^4)a + (2p^3q^3 + 8pq)b + (6p^4q^3 + p^2q + q^5)c + (3p^5q^2 + p^3 + 5pq^4)d$	$(6p^4q^3 + p^2q + q^5)a + (3p^5q^2 + p^3 + 5pq^4)b + (7p^6q^2 + p^2q^4)c + (2p^3q^3 + 8pq)d$
11	$(3p^5q^3 + p^3q + 5pq^5)a + (p^6q^2 + p^4 + 6p^2q^4)b + (2p^3q^4 + 8pq^2)c + (8p^4q^3 + q^5)d$	$(2p^3q^4 + 8pq^2)a + (8p^4q^3 + q^5)b + (3p^5q^3 + p^3q + 5pq^5)c + (p^6q^2 + p^4 + 6p^2q^4)d$
12	$(8p^4q^4 + q^6)a + (2p^5q^3 + p^3q + 6pq^5)b + (p^6q^3 + p^4q + 6p^2q^5)c + (p^5 + 8p^3q^4)d$	$(p^6q^3 + p^4q + 6p^2q^5)a + (p^5 + 8p^3q^4)b + (8p^4q^4 + q^6)c + (2p^5q^3 + p^3q + 6pq^5)d$
13	$(p^5q + 8p^3q^5)a + (p^6 + 7p^4q^4 + q^6)b + (2p^5q^4 + p^3q^2 + 6pq^6)c + (3p^6q^3 + 2p^4q + 3p^2q^5)d$	$(2p^5q^4 + p^3q^2 + 6pq^6)a + (3p^6q^3 + 2p^4q + 3p^2q^5)b + (p^5q + 8p^3q^5)c + (p^6 + 7p^4q^4 + q^6)d$
14	$(3p^6q^4 + 2p^4q^2 + 3p^2q^6)a + (3p^5q + 2p^3q^5 + 3pq^3)b + (p^6q + 7p^4q^5 + q)c + (p^3q^2 + 7pq^6 + p)d$	$(p^6q + 7p^4q^5 + q)a + (p^3q^2 + 7pq^6 + p)b + (3p^6q^4 + 2p^4q^2 + 3p^2q^6)c + (3p^5q + 2p^3q^5 + 3pq^3)d$

15	$(p^3q^3 + 8pq)a$ $+(3p^6q^4 + 3p^4q^2 + p^2q^6 + p^2)b$ $+(3p^5q^2 + 2p^3q^6 + 3pq^4)c$ $+(4p^6q + 3p^2q^3 + q)d$	$(3p^5q^2 + 2p^3q^6 + 3pq^4)a$ $+(4p^6q + 3p^2q^3 + q)b$ $+(p^3q^3 + 8pq)c$ $+(3p^6q^4 + 3p^4q^2 + p^2q^6 + p^2)d$
16	$(4p^6q^2 + 3p^2q^4 + q^2)a + (4p^3q^3 + 4pq)b$ $+(3p^6q^5 + 3p^4q^3 + 2p^2q)c$ $+(6p^5q^2 + 3p^3q^6 + p^3 + 6pq^4)d$	$(3p^6q^5 + 3p^4q^3 + 2p^2q)a$ $+(6p^5q^2 + 3p^3q^6 + p^3 + 6pq^4)b$ $+(4p^6q^2 + 3p^2q^4 + q^2)c + (4p^3q^3 + 4pq)d$
17	$(6p^5q^3 + 4p^3q + 6pq^5)a$ $+(p^6q^2 + 3p^4q^6 + p^4 + q^2)b$ $+(4p^3q^4 + 4pq^2)c$ $+(3p^6q^5 + 7p^4q^3 + 6p^2q)d$	$(4p^3q^4 + 4pq^2)a$ $+(3p^6q^5 + 7p^4q^3 + 6p^2q)b$ $+(6p^5q^3 + 4p^3q + 6pq^5)c$ $+(p^6q^2 + 3p^4q^6 + p^4 + q^2)d$
18	$(3p^6q^6 + 7p^4q^4 + 6p^2q^2)a$ $+(4p^5q^3 + p^3q)b$ $+(p^6q^3 + 4p^4q + q^3)c$ $+(3p^5q^6 + p^5 + 4p^3q^4 + 6pq^2)d$	$(p^6q^3 + 4p^4q + q^3)a$ $+(3p^5q^6 + p^5 + 4p^3q^4 + 6pq^2)b$ $+(3p^6q^6 + 7p^4q^4 + 6p^2q^2)c$ $+(4p^5q^3 + p^3q)d$
19	$(4p^5q + 4p^3q^5 + 6pq^3)a$ $+(6p^6q^6 + p^6 + 2p^4q^4 + 3p^2q^2)b$ $+(4p^5q^4 + p^3q^2)c$ $+(5p^6q^3 + 5p^4q + q^3)d$	$(4p^5q^4 + p^3q^2)a$ $+(5p^6q^3 + 5p^4q + q^3)b$ $+(4p^5q + 4p^3q^5 + 6pq^3)c$ $+(6p^6q^6 + p^6 + 2p^4q^4 + 3p^2q^2)d$
20	$(5p^6q^4 + 5p^4q^2 + q^4)a$ $+(4p^3q^5 + 3pq^3)b$ $+(7p^6q + 2p^4q^5 + 3p^2q^3)c$ $+(6p^5q^4 + 4p^3q^2 + 6pq^6 + p)d$	$(7p^6q + 2p^4q^5 + 3p^2q^3)a$ $+(6p^5q^4 + 4p^3q^2 + 6pq^6 + p)b$ $+(5p^6q^4 + 5p^4q^2 + q^4)c$ $+(4p^3q^5 + 3pq^3)d$
21	$(6p^5q^5 + 4p^3q^3 + 7pq)a$ $+(2p^6q^4 + 6p^2q^6 + p^2 + q^4)b$ $+(4p^3q^6 + 3pq^4)c$ $+(7p^6q + 6p^4q^5 + 6p^2q^3)d$	$(4p^3q^6 + 3pq^4)a$ $+(7p^6q + 6p^4q^5 + 6p^2q^3)b$ $+(6p^5q^5 + 4p^3q^3 + 7pq)c$ $+(2p^6q^4 + 6p^2q^6 + p^2 + q^4)d$
22	$(7p^6q^2 + 6p^4q^6 + 6p^2q^4)a$ $+(3p^5q^5 + p^3q^3 + 5pq)b$ $+(2p^6q^5 + 7p^2q + q^5)c$ $+(p^3q^6 + p^3 + 6pq^4)d$	$(2p^6q^5 + 7p^2q + q^5)a$ $+(p^3q^6 + p^3 + 6pq^4)b$ $+(7p^6q^2 + 6p^4q^6 + 6p^2q^4)c$ $+(3p^5q^5 + p^3q^3 + 5pq)d$
23	$(2p^3q + 6pq^5)a$ $+(7p^6q^2 + 7p^4q^6 + p^4 + 3p^2q^4)b$ $+(3p^5q^6 + p^3q^4 + 5pq^2)c$ $+(5p^6q^5 + p^4q^3 + 3p^2q + q^5)d$	$(3p^5q^6 + p^3q^4 + 5pq^2)a$ $+(5p^6q^5 + p^4q^3 + 3p^2q + q^5)b$ $+(2p^3q + 6pq^5)c$ $+(7p^6q^2 + 7p^4q^6 + p^4 + 3p^2q^4)d$
24	$(5p^6q^6 + p^4q^4 + 3p^2q^2 + q^6)a$ $+(p^5q^3 + 5p^3q + 3pq^5)b$ $+(7p^6q^3 + 8p^4q + 3p^2q^5)c$ $+(p^5q^6 + p^5 + 4p^3q^4 + 3pq^2)d$	$(7p^6q^3 + 8p^4q + 3p^2q^5)a$ $+(p^5q^6 + p^5 + 4p^3q^4 + 3pq^2)b$ $+(5p^6q^6 + p^4q^4 + 3p^2q^2 + q^6)c$ $+(p^5q^3 + 5p^3q + 3pq^5)d$

25	$(2p^5q + 4p^3q^5 + 3pq^3)a$ $+(6p^6q^6 + p^6 + 5p^4q^4 + 6p^2q^2 + q^6)b$ $+(p^5q^4 + 5p^3q^2 + 3pq^6)c$ $+(8p^6q^3 + 4p^4q + 6p^2q^5)d$	$(p^5q^4 + 5p^3q^2 + 3pq^6)a$ $+(8p^6q^3 + 4p^4q + 6p^2q^5)b$ $+(2p^5q + 4p^3q^5 + 3pq^3)c$ $+(6p^6q^6 + p^6 + 5p^4q^4 + 6p^2q^2 + q^6)d$
26	$(8p^6q^4 + 4p^4q^2 + 6p^2q^6)a$ $+(6p^5q + p^3q^5 + 2pq^3)b$ $+(7p^6q + 5p^4q^5 + 6p^2q^3 + q)c$ $+(6p^5q^4 + 2p^3q^2 + pq^6 + p)d$	$(7p^6q + 5p^4q^5 + 6p^2q^3 + q)a$ $+(6p^5q^4 + 2p^3q^2 + pq^6 + p)b$ $+(8p^6q^4 + 4p^4q^2 + 6p^2q^6)c$ $+(6p^5q + p^3q^5 + 2pq^3)d$
27	$(6p^5q^5 + 2p^3q^3 + 2pq)a$ $+(5p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2)b$ $+(6p^5q^2 + p^3q^6 + 2pq^4)c$ $+(4p^6q + 6p^4q^5 + 8p^2q^3 + q)d$	$(6p^5q^2 + p^3q^6 + 2pq^4)a$ $+(4p^6q + 6p^4q^5 + 8p^2q^3 + q)b$ $+(6p^5q^5 + 2p^3q^3 + 2pq)c$ $+(5p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2)d$
28	$(4p^6q^2 + 6p^4q^6 + 8p^2q^4 + q^2)a$ $+(3p^5q^5 + p^3q^3 + 7pq)b$ $+(5p^6q^5 + 6p^4q^3 + 8p^2q)c$ $+(3p^5q^2 + 8p^3q^6 + p^3 + 7pq^4)d$	$(5p^6q^5 + 6p^4q^3 + 8p^2q)a$ $+(3p^5q^2 + 8p^3q^6 + p^3 + 7pq^4)b$ $+(4p^6q^2 + 6p^4q^6 + 8p^2q^4 + q^2)c$ $+(3p^5q^5 + p^3q^3 + 7pq)d$
29	$(3p^5q^3 + 7pq^5)a$ $+(7p^6q^2 + 5p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ $+(3p^5q^6 + p^3q^4 + 7pq^2)c$ $+(8p^6q^5 + 7p^4q^3 + 6p^2q)d$	$(3p^5q^6 + p^3q^4 + 7pq^2)a$ $+(8p^6q^5 + 7p^4q^3 + 6p^2q)b$ $+(3p^5q^3 + 7pq^5)c$ $+(7p^6q^2 + 5p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
30	$(8p^6q^6 + 7p^4q^4 + 6p^2q^2)a$ $+(p^5q^3 + 6p^3q + 6pq^5)b$ $+(7p^6q^3 + 6p^4q + 6p^2q^5 + q^3)c$ $+(8p^5q^6 + p^5 + 7p^3q^4 + 6pq^2)d$	$(7p^6q^3 + 6p^4q + 6p^2q^5 + q^3)a$ $+(8p^5q^6 + p^5 + 7p^3q^4 + 6pq^2)b$ $+(8p^6q^6 + 7p^4q^4 + 6p^2q^2)c$ $+(p^5q^3 + 6p^3q + 6pq^5)d$
31	$(7p^3q^5 + 6pq^3)a$ $+(7p^6q^6 + p^6 + 5p^4q^4 + 3p^2q^2)b$ $+(p^5q^4 + 6p^3q^2 + 6pq^6)c$ $+(8p^6q^3 + 3p^4q + 3p^2q^5 + q^3)d$	$(p^5q^4 + 6p^3q^2 + 6pq^6)a$ $+(8p^6q^3 + 3p^4q + 3p^2q^5 + q^3)b$ $+(7p^3q^5 + 6pq^3)c$ $+(7p^6q^6 + p^6 + 5p^4q^4 + 3p^2q^2)d$
32	$(8p^6q^4 + 3p^4q^2 + 3p^2q^6 + q^4)a$ $+(3p^5q + p^3q^5 + 6pq^3)b$ $+(8p^6q + 5p^4q^5 + 3p^2q^3)c$ $+(6p^5q^4 + 4pq^6 + p)d$	$(8p^6q + 5p^4q^5 + 3p^2q^3)a$ $+(6p^5q^4 + 4pq^6 + p)b$ $+(8p^6q^4 + 3p^4q^2 + 3p^2q^6 + q^4)c$ $+(3p^5q + p^3q^5 + 6pq^3)d$
33	$(6p^5q^5 + 5pq)a$ $+(5p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2 + q^4)b$ $+(3p^5q^2 + p^3q^6 + 6pq^4)c$ $+(2p^6q + 6p^4q^5)d$	$(3p^5q^2 + p^3q^6 + 6pq^4)a$ $+(2p^6q + 6p^4q^5)b$ $+(6p^5q^5 + 5pq)c$ $+(5p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2 + q^4)d$
34	$(2p^6q^2 + 6p^4q^6)a$ $+(3p^5q^5 + 7pq)b$ $+(5p^6q^5 + 3p^4q^3 + 8p^2q + q^5)c$ $+(6p^5q^2 + 8p^3q^6 + p^3 + 3pq^4)d$	$(5p^6q^5 + 3p^4q^3 + 8p^2q + q^5)a$ $+(6p^5q^2 + 8p^3q^6 + p^3 + 3pq^4)b$ $+(2p^6q^2 + 6p^4q^6)c$ $+(3p^5q^5 + 7pq)d$

	$(6p^5q^3 + 3pq^5)a$ + $(8p^6q^2 + 5p^4q^6 + p^4 + 3p^2q^4)b$ + $(3p^5q^6 + 7pq^2)c$ + $(8p^6q^5 + 3p^4q^3 + 6p^2q + q^5)d$	$(3p^5q^6 + 7pq^2)a$ + $(8p^6q^5 + 3p^4q^3 + 6p^2q + q^5)b$ + $(6p^5q^3 + 3pq^5)c$ + $(8p^6q^2 + 5p^4q^6 + p^4 + 3p^2q^4)d$
35		
36	$(8p^6q^6 + 3p^4q^4 + 6p^2q^2 + q^6)a$ + $(6p^3q + 3pq^5)b$ + $(8p^6q^3 + 6p^4q + 3p^2q^5)c$ + $(8p^5q^6 + p^5 + 3p^3q^4 + 6pq^2)d$	$(8p^6q^3 + 6p^4q + 3p^2q^5)a$ + $(8p^5q^6 + p^5 + 3p^3q^4 + 6pq^2)b$ + $(8p^6q^6 + 3p^4q^4 + 6p^2q^2 + q^6)c$ + $(6p^3q + 3pq^5)d$
37	$(3p^3q^5 + 6pq^3)a$ + $(7p^6q^6 + p^6 + 6p^4q^4 + 3p^2q^2 + q^6)b$ + $(6p^3q^2 + 3pq^6)c$ + $(8p^6q^3 + 3p^4q + 6p^2q^5)d$	$(6p^3q^2 + 3pq^6)a$ + $(8p^6q^3 + 3p^4q + 6p^2q^5)b$ + $(3p^3q^5 + 6pq^3)c$ + $(7p^6q^6 + p^6 + 6p^4q^4 + 3p^2q^2 + q^6)d$
38	$(8p^6q^4 + 3p^4q^2 + 6p^2q^6)a$ + $(3p^5q + 5pq^3)b$ + $(8p^6q + 6p^4q^5 + 3p^2q^3 + q)c$ + $(6p^5q^4 + 2pq^6 + p)d$	$(8p^6q + 6p^4q^5 + 3p^2q^3 + q)a$ + $(6p^5q^4 + 2pq^6 + p)b$ + $(8p^6q^4 + 3p^4q^2 + 6p^2q^6)c$ + $(3p^5q + 5pq^3)d$
39	$(6p^5q^5 + 3pq)a$ + $(5p^6q^4 + 3p^4q^2 + 8p^2q^6 + p^2)b$ + $(3p^5q^2 + 5pq^4)c$ + $(2p^6q + 6p^4q^5 + 8p^2q^3 + q)d$	$(3p^5q^2 + 5pq^4)a$ + $(2p^6q + 6p^4q^5 + 8p^2q^3 + q)b$ + $(6p^5q^5 + 3pq)c$ + $(5p^6q^4 + 3p^4q^2 + 8p^2q^6 + p^2)d$
40	$(2p^6q^2 + 6p^4q^6 + 8p^2q^4 + q^2)a$ + $(3p^5q^5 + 8p^3q^3 + 6pq)b$ + $(5p^6q^5 + 3p^4q^3)c$ + $(6p^5q^2 + 8p^3q^6 + p^3 + pq^4)d$	$(5p^6q^5 + 3p^4q^3)a$ + $(6p^5q^2 + 8p^3q^6 + p^3 + pq^4)b$ + $(2p^6q^2 + 6p^4q^6 + 8p^2q^4 + q^2)c$ + $(3p^5q^5 + 8p^3q^3 + 6pq)d$
41	$(6p^5q^3 + pq^5)a$ + $(8p^6q^2 + 5p^4q^6 + p^4 + q^2)b$ + $(3p^5q^6 + 8p^3q^4 + 6pq^2)c$ + $(8p^6q^5 + 2p^4q^3 + 6p^2q)d$	$(3p^5q^6 + 8p^3q^4 + 6pq^2)a$ + $(8p^6q^5 + 2p^4q^3 + 6p^2q)b$ + $(6p^5q^3 + pq^5)c$ + $(8p^6q^2 + 5p^4q^6 + p^4 + q^2)d$
42	$(8p^6q^6 + 2p^4q^4 + 6p^2q^2)a$ + $(8p^5q^3 + 6p^3q)b$ + $(8p^6q^3 + 6p^4q + q^3)c$ + $(8p^5q^6 + p^5 + 8p^3q^4 + 6pq^2)d$	$(8p^6q^3 + 6p^4q + q^3)a$ + $(8p^5q^6 + p^5 + 8p^3q^4 + 6pq^2)b$ + $(8p^6q^6 + 2p^4q^4 + 6p^2q^2)c$ + $(8p^5q^3 + 6p^3q)d$
43	$(8p^3q^5 + 6pq^3)a$ + $(7p^6q^6 + p^6 + p^4q^4 + 3p^2q^2)b$ + $(8p^5q^4 + 6p^3q^2)c$ + $(7p^6q^3 + 3p^4q + q^3)d$	$(8p^5q^4 + 6p^3q^2)a$ + $(7p^6q^3 + 3p^4q + q^3)b$ + $(8p^3q^5 + 6pq^3)c$ + $(7p^6q^6 + p^6 + p^4q^4 + 3p^2q^2)d$
44	$(7p^6q^4 + 3p^4q^2 + q^4)a$ + $(3p^5q + 8p^3q^5 + 5pq^3)b$ + $(8p^6q + p^4q^5 + 3p^2q^3)c$ + $(7pq^6 + p)d$	$(8p^6q + p^4q^5 + 3p^2q^3)a$ + $(7pq^6 + p)b$ + $(7p^6q^4 + 3p^4q^2 + q^4)c$ + $(3p^5q + 8p^3q^5 + 5pq^3)d$

45	$8pqa$ $+(7p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2 + q^4)b$ $+(3p^5q^2 + 8p^3q^6 + 5pq^4)c$ $+(2p^6q + 8p^2q^3)d$	$(3p^5q^2 + 8p^3q^6 + 5pq^4)a$ $+(2p^6q + 8p^2q^3)b$ $+8pqc$ $+(7p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2 + q^4)d$
46	$(2p^6q^2 + 8p^2q^4)a$ $+(8p^3q^3 + pq)b$ $+(7p^6q^5 + 3p^4q^3 + 8p^2q + q^5)c$ $+(6p^5q^2 + 6p^3q^6 + p^3 + 4pq^4)d$	$(7p^6q^5 + 3p^4q^3 + 8p^2q + q^5)a$ $+(6p^5q^2 + 6p^3q^6 + p^3 + 4pq^4)b$ $+(2p^6q^2 + 8p^2q^4)c$ $+(8p^3q^3 + pq)d$
47	$(6p^5q^3 + 7p^3q + 4pq^5)a$ $+(8p^6q^2 + 6p^4q^6 + p^4 + 3p^2q^4)b$ $+(8p^3q^4 + pq^2)c$ $+(7p^6q^5 + 2p^4q^3 + q^5)d$	$(8p^3q^4 + pq^2)a$ $+(7p^6q^5 + 2p^4q^3 + q^5)b$ $+(6p^5q^3 + 7p^3q + 4pq^5)c$ $+(8p^6q^2 + 6p^4q^6 + p^4 + 3p^2q^4)d$
48	$(7p^6q^6 + 2p^4q^4 + q^6)a$ $+(8p^5q^3 + 7p^3q + 3pq^5)b$ $+(8p^6q^3 + 7p^4q + 3p^2q^5)c$ $+(6p^5q^6 + p^5 + 2p^3q^4)d$	$(8p^6q^3 + 7p^4q + 3p^2q^5)a$ $+(6p^5q^6 + p^5 + 2p^3q^4)b$ $+(7p^6q^6 + 2p^4q^4 + q^6)c$ $+(8p^5q^3 + 7p^3q + 3pq^5)d$
49	$(7p^5q + 2p^3q^5)a$ $+(4p^6q^6 + p^6 + 4p^4q^4 + q^6)b$ $+(8p^5q^4 + 7p^3q^2 + 3pq^6)c$ $+(7p^6q^3 + 5p^4q + 6p^2q^5)d$	$(8p^5q^4 + 7p^3q^2 + 3pq^6)a$ $+(7p^6q^3 + 5p^4q + 6p^2q^5)b$ $+(7p^5q + 2p^3q^5)c$ $+(4p^6q^6 + p^6 + 4p^4q^4 + q^6)d$
50	$(7p^6q^4 + 5p^4q^2 + 6p^2q^6)a$ $+(3p^5q + 8p^3q^5 + 7pq^3)b$ $+(5p^6q + 4p^4q^5 + q)c$ $+(3p^5q^4 + 7p^3q^2 + 8pq^6 + p)d$	$(5p^6q + 4p^4q^5 + q)a$ $+(3p^5q^4 + 7p^3q^2 + 8pq^6 + p)b$ $+(7p^6q^4 + 5p^4q^2 + 6p^2q^6)c$ $+(3p^5q + 8p^3q^5 + 7pq^3)d$
51	$(3p^5q^5 + 7p^3q^3)a$ $+(p^6q^4 + 3p^4q^2 + 5p^2q^6 + p^2)b$ $+(3p^5q^2 + 8p^3q^6 + 7pq^4)c$ $+(8p^6q + 3p^4q^5 + 7p^2q^3 + q)d$	$(3p^5q^2 + 8p^3q^6 + 7pq^4)a$ $+(8p^6q + 3p^4q^5 + 7p^2q^3 + q)b$ $+(3p^5q^5 + 7p^3q^3)c$ $+(p^6q^4 + 3p^4q^2 + 5p^2q^6 + p^2)d$
52	$(8p^6q^2 + 3p^4q^6 + 7p^2q^4 + q^2)a$ $+(6p^5q^5 + 5p^3q^3)b$ $+(p^6q^5 + 3p^4q^3 + 6p^2q)c$ $+(6p^5q^2 + 4p^3q^6 + p^3 + 8pq^4)d$	$(p^6q^5 + 3p^4q^3 + 6p^2q)a$ $+(6p^5q^2 + 4p^3q^6 + p^3 + 8pq^4)b$ $+(8p^6q^2 + 3p^4q^6 + 7p^2q^4 + q^2)c$ $+(6p^5q^5 + 5p^3q^3)d$
53	$(6p^5q^3 + 5p^3q + 8pq^5)a$ $+(5p^6q^2 + 7p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ $+(6p^5q^6 + 5p^3q^4)c$ $+(7p^6q^5 + 8p^4q^3 + 6p^2q)d$	$(6p^5q^6 + 5p^3q^4)a$ $+(7p^6q^5 + 8p^4q^3 + 6p^2q)b$ $(6p^5q^3 + 5p^3q + 8pq^5)c$ $+(5p^6q^2 + 7p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
54	$(7p^6q^6 + 8p^4q^4 + 6p^2q^2)a$ $+(5p^5q^3 + 2p^3q + 6pq^5)b$ $+(5p^6q^3 + 8p^4q + 6p^2q^5 + q^3)c$ $+(4p^5q^6 + p^5 + 2p^3q^4 + 6pq^2)d$	$(5p^6q^3 + 8p^4q + 6p^2q^5 + q^3)a$ $+(4p^5q^6 + p^5 + 2p^3q^4 + 6pq^2)b$ $+(7p^6q^6 + 8p^4q^4 + 6p^2q^2)c$ $+(5p^5q^3 + 2p^3q + 6pq^5)d$

	$(5p^5q + 2p^3q^5 + 6pq^3)a$ + $(2p^6q^6 + p^6 + p^4q^4 + 3p^2q^2)b$ + $(5p^5q^4 + 2p^3q^2 + 6pq^6)c$ + $(p^6q^3 + p^4q + 3p^2q^5 + q^3)d$	$(5p^5q^4 + 2p^3q^2 + 6pq^6)a$ + $(p^6q^3 + p^4q + 3p^2q^5 + q^3)b$ + $(5p^5q + 2p^3q^5 + 6pq^3)c$ + $(2p^6q^6 + p^6 + p^4q^4 + 3p^2q^2)d$
55	$(p^6q^4 + p^4q^2 + 3p^2q^6 + q^4)a$ + $(6p^5q + 5p^3q^5 + 8pq^3)b$ + $(3p^6q + p^4q^5 + 3p^2q^3)c$ + $(6p^5q^4 + 5p^3q^2 + 8pq^6 + p)d$	$(3p^6q + p^4q^5 + 3p^2q^3)a$ + $(6p^5q^4 + 5p^3q^2 + 8pq^6 + p)b$ + $(p^6q^4 + p^4q^2 + 3p^2q^6 + q^4)c$ + $(6p^5q + 5p^3q^5 + 8pq^3)d$
56	$(6p^5q^5 + 5p^3q^3)a$ + $(7p^6q^4 + 6p^4q^2 + 2p^2q^6 + p^2 + q^4)b$ + $(6p^5q^2 + 5p^3q^6 + 8pq^4)c$ + $(6p^4q^5 + 2p^2q^3)d$	$(6p^5q^2 + 5p^3q^6 + 8pq^4)a$ + $(6p^4q^5 + 2p^2q^3)b$ + $(6p^5q^5 + 5p^3q^3)c$ + $(7p^6q^4 + 6p^4q^2 + 2p^2q^6 + p^2 + q^4)d$
57	$(6p^4q^6 + 2p^2q^4)a$ + $(3p^5q^5 + 7p^3q^3)b$ + $(7p^6q^5 + 6p^4q^3 + 3p^2q + q^5)c$ + $(3p^5q^2 + 7p^3q^6 + p^3 + 7pq^4)d$	$(7p^6q^5 + 6p^4q^3 + 3p^2q + q^5)a$ + $(3p^5q^2 + 7p^3q^6 + p^3 + 7pq^4)b$ + $(6p^4q^6 + 2p^2q^4)c$ + $(3p^5q^5 + 7p^3q^3)d$
58	$(3p^5q^3 + 8p^3q + 7pq^5)a$ + $(3p^6q^2 + 4p^4q^6 + p^4)b$ + $(3p^5q^6 + 7p^3q^4)c$ + $(p^6q^5 + 4p^4q^3 + 3p^2q + q^5)d$	$(3p^5q^6 + 7p^3q^4)a$ + $(p^6q^5 + 4p^4q^3 + 3p^2q + q^5)b$ + $(3p^5q^3 + 8p^3q + 7pq^5)c$ + $(3p^6q^2 + 4p^4q^6 + p^4)d$
59	$(p^6q^6 + 4p^4q^4 + 3p^2q^2 + q^6)a$ + $(7p^5q^3 + 2p^3q)b$ + $(3p^6q^3 + 5p^4q)c$ + $(7p^5q^6 + p^5 + 7p^3q^4 + 3pq^2)d$	$(3p^6q^3 + 5p^4q)a$ + $(7p^5q^6 + p^5 + 7p^3q^4 + 3pq^2)b$ + $(p^6q^6 + 4p^4q^4 + 3p^2q^2 + q^6)c$ + $(7p^5q^3 + 2p^3q)d$
60	$(8p^5q + 7p^3q^5 + 3pq^3)a$ + $(8p^6q^6 + p^6 + 2p^4q^4 + 6p^2q^2 + q^6)b$ + $(7p^5q^4 + 2p^3q^2)c$ + $(p^6q^3 + 7p^4q)d$	$(7p^5q^4 + 2p^3q^2)a$ + $(p^6q^3 + 7p^4q)b$ + $(8p^5q + 7p^3q^5 + 3pq^3)c$ + $(8p^6q^6 + p^6 + 2p^4q^4 + 6p^2q^2 + q^6)d$
61	$(p^6q^4 + 7p^4q^2)a$ + $(6p^5q + 7p^3q^5 + 4pq^3)b$ + $(2p^4q^5 + 6p^2q^3 + q)c$ + $(8p^3q^2 + p)d$	$(2p^4q^5 + 6p^2q^3 + q)a$ + $(8p^3q^2 + p)b$ + $(p^6q^4 + 7p^4q^2)c$ + $(6p^5q + 7p^3q^5 + 4pq^3)d$
62	$(8p^3q^3 + pq)a$ + $(p^6q^4 + 6p^4q^2 + p^2)b$ + $(6p^5q^2 + 7p^3q^6 + 4pq^4)c$ + $(6p^6q + p^2q^3 + q)d$	$(6p^5q^2 + 7p^3q^6 + 4pq^4)a$ + $(6p^6q + p^2q^3 + q)b$ + $(8p^3q^3 + pq)c$ + $(p^6q^4 + 6p^4q^2 + p^2)d$
63	$(6p^6q^2 + p^2q^4 + q^2)a$ + $8pq^b$ + $(p^6q^5 + 6p^4q^3 + p^2q)c$ + $(3p^5q^2 + 7p^3q^6 + p^3 + 5pq^4)d$	$(p^6q^5 + 6p^4q^3 + p^2q)a$ + $(3p^5q^2 + 7p^3q^6 + p^3 + 5pq^4)b$ + $(6p^6q^2 + p^2q^4 + q^2)c$ + $8pq^d$
64		

65	$(3p^5q^3 + 8p^3q + 5pq^5)a$ + $(7p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ + $8pq^2c$ + $(p^6q^5 + 6p^4q^3)d$	$8pq^2a$ + $(p^6q^5 + 6p^4q^3)b$ + $(3p^5q^3 + 8p^3q + 5pq^5)c$ + $(7p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
66	$(p^6q^6 + 6p^4q^4)a$ + $(8p^3q + 6pq^5)b$ + $(8p^4q + 6p^2q^5 + q^3)c$ + $(7p^5q^6 + p^5 + 6p^3q^4)d$	$(8p^4q + 6p^2q^5 + q^3)a$ + $(7p^5q^6 + p^5 + 6p^3q^4)b$ + $(p^6q^6 + 6p^4q^4)c$ + $(8p^3q + 6pq^5)d$
67	$(8p^5q + 6p^3q^5)a$ + $(8p^6q^6 + p^6 + 3p^4q^4)b$ + $(8p^3q^2 + 6pq^6)c$ + $(7p^4q + 3p^2q^5 + q^3)d$	$(8p^3q^2 + 6pq^6)a$ + $(7p^4q + 3p^2q^5 + q^3)b$ + $(8p^5q + 6p^3q^5)c$ + $(8p^6q^6 + p^6 + 3p^4q^4)d$
68	$(7p^4q^2 + 3p^2q^6 + q^4)a$ + $(6p^5q + pq^3)b$ + $3p^4q^5c$ + $(3p^5q^4 + 8p^3q^2 + 5pq^6 + p)d$	$3p^4q^5a$ + $(3p^5q^4 + 8p^3q^2 + 5pq^6 + p)b$ + $(7p^4q^2 + 3p^2q^6 + q^4)c$ + $(6p^5q + pq^3)d$
69	$(3p^5q^5 + 8p^3q^3 + 6pq)a$ + $(3p^6q^4 + 6p^4q^2 + 8p^2q^6 + p^2 + q^4)b$ + $(6p^5q^2 + pq^4)c$ + $(6p^6q + 3p^4q^5 + p^2q^3)d$	$(6p^5q^2 + pq^4)a$ + $(6p^6q + 3p^4q^5 + p^2q^3)b$ + $(3p^5q^5 + 8p^3q^3 + 6pq)c$ + $(3p^6q^4 + 6p^4q^2 + 8p^2q^6 + p^2 + q^4)d$
70	$(6p^6q^2 + 3p^4q^6 + p^2q^4)a$ + $(6p^5q^5 + 3pq)b$ + $(3p^6q^5 + 6p^4q^3 + q^5)c$ + $(3p^5q^2 + 8p^3q^6 + p^3 + 5pq^4)d$	$(3p^6q^5 + 6p^4q^3 + q^5)a$ + $(3p^5q^2 + 8p^3q^6 + p^3 + 5pq^4)b$ + $(6p^6q^2 + 3p^4q^6 + p^2q^4)c$ + $(6p^5q^5 + 3pq)d$
71	$(3p^5q^3 + 5pq^5)a$ + $(2p^4q^6 + p^4 + 6p^2q^4)b$ + $(6p^5q^6 + 3pq^2)c$ + $(6p^4q^3 + 3p^2q + q^5)d$	$(6p^5q^6 + 3pq^2)a$ + $(6p^4q^3 + 3p^2q + q^5)b$ + $(3p^5q^3 + 5pq^5)c$ + $(2p^4q^6 + p^4 + 6p^2q^4)d$
72	$(6p^4q^4 + 3p^2q^2 + q^6)a$ + $(3p^3q + 6pq^5)b$ + $(3p^4q + 6p^2q^5)c$ + $(8p^5q^6 + p^5 + 6p^3q^4 + 3pq^2)d$	$(3p^4q + 6p^2q^5)a$ + $(8p^5q^6 + p^5 + 6p^3q^4 + 3pq^2)b$ + $(6p^4q^4 + 3p^2q^2 + q^6)c$ + $(3p^3q + 6pq^5)d$
73	$(6p^3q^5 + 3pq^3)a$ + $(8p^6q^6 + p^6 + 3p^4q^4 + 6p^2q^2 + q^6)b$ + $(3p^3q^2 + 6pq^6)c$ + $(6p^4q + 3p^2q^5)d$	$(3p^3q^2 + 6pq^6)a$ + $(6p^4q + 3p^2q^5)b$ + $(6p^3q^5 + 3pq^3)c$ + $(8p^6q^6 + p^6 + 3p^4q^4 + 6p^2q^2 + q^6)d$
74	$(6p^4q^2 + 3p^2q^6)a$ + $(6p^5q + 3pq^3)b$ + $(3p^4q^5 + 6p^2q^3 + q)c$ + $(3p^5q^4 + 6pq^6 + p)d$	$(3p^4q^5 + 6p^2q^3 + q)a$ + $(3p^5q^4 + 6pq^6 + p)b$ + $(6p^4q^2 + 3p^2q^6)c$ + $(6p^5q + 3pq^3)d$

75	$(3p^5q^5 + 7pq)a$ $+(3p^6q^4 + 6p^4q^2 + p^2)b$ $+(6p^5q^2 + 3pq^4)c$ $+(6p^6q + 3p^4q^5 + q)d$	$(6p^5q^2 + 3pq^4)a$ $+(6p^6q + 3p^4q^5 + q)b$ $+(3p^5q^5 + 7pq)c$ $+(3p^6q^4 + 6p^4q^2 + p^2)d$
76	$(6p^6q^2 + 3p^4q^6 + q^2)a$ $+(6p^5q^5 + 5pq)b$ $+(3p^6q^5 + 6p^4q^3 + p^2q)c$ $+(3p^5q^2 + p^3 + 6pq^4)d$	$(3p^6q^5 + 6p^4q^3 + p^2q)a$ $+(3p^5q^2 + p^3 + 6pq^4)b$ $+(6p^6q^2 + 3p^4q^6 + q^2)c$ $+(6p^5q^5 + 5pq)d$
77	$(3p^5q^3 + p^3q + 6pq^5)a$ $+(3p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ $+(6p^5q^6 + 5pq^2)c$ $+(6p^4q^3 + 6p^2q)d$	$(6p^5q^6 + 5pq^2)a$ $+(6p^4q^3 + 6p^2q)b$ $+(3p^5q^3 + p^3q + 6pq^5)c$ $+(3p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
78	$(6p^4q^4 + 6p^2q^2)a$ $+(7p^3q + 6pq^5)b$ $+(4p^4q + 6p^2q^5 + q^3)c$ $+(p^5 + 6p^3q^4 + 6pq^2)d$	$(4p^4q + 6p^2q^5 + q^3)a$ $+(p^5 + 6p^3q^4 + 6pq^2)b$ $+(6p^4q^4 + 6p^2q^2)c$ $+(7p^3q + 6pq^5)d$
79	$(p^5q + 6p^3q^5 + 6pq^3)a$ $+(p^6 + 3p^4q^4 + 3p^2q^2)b$ $+(7p^3q^2 + 6pq^6)c$ $+(2p^4q + 3p^2q^5 + q^3)d$	$(7p^3q^2 + 6pq^6)a$ $+(2p^4q + 3p^2q^5 + q^3)b$ $+(p^5q + 6p^3q^5 + 6pq^3)c$ $+(p^6 + 3p^4q^4 + 3p^2q^2)d$
80	$(2p^4q^2 + 3p^2q^6 + q^4)a$ $+(3p^5q + 7pq^3)b$ $+(p^6q + 3p^4q^5 + 3p^2q^3)c$ $+(3p^5q^4 + p^3q^2 + 6pq^6 + p)d$	$(p^6q + 3p^4q^5 + 3p^2q^3)a$ $+(3p^5q^4 + p^3q^2 + 6pq^6 + p)b$ $+(2p^4q^2 + 3p^2q^6 + q^4)c$ $+(3p^5q + 7pq^3)d$
81	$(3p^5q^5 + p^3q^3 + 7pq)a$ $+(3p^6q^4 + 3p^4q^2 + p^2 + q^4)b$ $+(3p^5q^2 + 7pq^4)c$ $+(4p^6q + 3p^4q^5 + p^2q^3)d$	$(3p^5q^2 + 7pq^4)a$ $+(4p^6q + 3p^4q^5 + p^2q^3)b$ $+(3p^5q^5 + p^3q^3 + 7pq)c$ $+(3p^6q^4 + 3p^4q^2 + p^2 + q^4)d$
82	$(4p^6q^2 + 3p^4q^6 + p^2q^4)a$ $+(6p^5q^5 + 2p^3q^3 + 2pq)b$ $+(3p^6q^5 + 3p^4q^3 + p^2q + q^5)c$ $+(6p^5q^2 + p^3 + 2pq^4)d$	$(3p^6q^5 + 3p^4q^3 + p^2q + q^5)a$ $+(6p^5q^2 + p^3 + 2pq^4)b$ $+(4p^6q^2 + 3p^4q^6 + p^2q^4)c$ $+(6p^5q^5 + 2p^3q^3 + 2pq)d$
83	$(6p^5q^3 + p^3q + 2pq^5)a$ $+(p^6q^2 + 3p^4q^6 + p^4 + 3p^2q^4)b$ $+(6p^5q^6 + 2p^3q^4 + 2pq^2)c$ $+(5p^4q^3 + 3p^2q + q^5)d$	$(6p^5q^6 + 2p^3q^4 + 2pq^2)a$ $+(5p^4q^3 + 3p^2q + q^5)b$ $+(6p^5q^3 + p^3q + 2pq^5)c$ $+(p^6q^2 + 3p^4q^6 + p^4 + 3p^2q^4)d$
84	$(5p^4q^4 + 3p^2q^2 + q^6)a$ $+(2p^5q^3 + 4p^3q + 3pq^5)b$ $+(p^6q^3 + 4p^4q + 3p^2q^5)c$ $+(p^5 + 5p^3q^4 + 3pq^2)d$	$(p^6q^3 + 4p^4q + 3p^2q^5)a$ $+(p^5 + 5p^3q^4 + 3pq^2)b$ $+(5p^4q^4 + 3p^2q^2 + q^6)c$ $+(2p^5q^3 + 4p^3q + 3pq^5)d$

85	$(p^5q + 5p^3q^5 + 3pq^3)a$ $+(p^6 + p^4q^4 + 6p^2q^2 + q^6)b$ $+(2p^5q^4 + 4p^3q^2 + 3pq^6)c$ $+(3p^6q^3 + 8p^4q + 6p^2q^5)d$	$(2p^5q^4 + 4p^3q^2 + 3pq^6)a$ $+(3p^6q^3 + 8p^4q + 6p^2q^5)b$ $+(p^5q + 5p^3q^5 + 3pq^3)c$ $+(p^6 + p^4q^4 + 6p^2q^2 + q^6)d$
86	$(3p^6q^4 + 8p^4q^2 + 6p^2q^6)a$ $+(2p^3q^5 + 6pq^3)b$ $+(p^6q + p^4q^5 + 6p^2q^3 + q)c$ $+(3p^5q^4 + p^3q^2 + 4pq^6 + p)d$	$(p^6q + p^4q^5 + 6p^2q^3 + q)a$ $+(3p^5q^4 + p^3q^2 + 4pq^6 + p)b$ $+(3p^6q^4 + 8p^4q^2 + 6p^2q^6)c$ $+(2p^3q^5 + 6pq^3)d$
87	$(3p^5q^5 + p^3q^3 + 5pq)a$ $+(6p^6q^4 + p^2q^6 + p^2)b$ $+(2p^3q^6 + 6pq^4)c$ $+(p^6q + 3p^4q^5 + 3p^2q^3 + q)d$	$(2p^3q^6 + 6pq^4)a$ $+(p^6q + 3p^4q^5 + 3p^2q^3 + q)b$ $+(3p^5q^5 + p^3q^3 + 5pq)c$ $+(6p^6q^4 + p^2q^6 + p^2)d$
88	$(p^6q^2 + 3p^4q^6 + 3p^2q^4 + q^2)a$ $+(6p^5q^5 + 4p^3q^3 + 7pq)b$ $+(6p^6q^5 + 2p^2q)c$ $+(3p^3q^6 + p^3 + 3pq^4)d$	$(6p^6q^5 + 2p^2q)a$ $+(3p^3q^6 + p^3 + 3pq^4)b$ $+(p^6q^2 + 3p^4q^6 + 3p^2q^4 + q^2)c$ $+(6p^5q^5 + 4p^3q^3 + 7pq)d$
89	$(4p^3q + 3pq^5)a$ $+(p^6q^2 + 6p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ $+(6p^5q^6 + 4p^3q^4 + 7pq^2)c$ $+(3p^6q^5 + 4p^4q^3)d$	$(6p^5q^6 + 4p^3q^4 + 7pq^2)a$ $+(3p^6q^5 + 4p^4q^3)b$ $+(4p^3q + 3pq^5)c$ $+(p^6q^2 + 6p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
90	$(3p^6q^6 + 4p^4q^4)a$ $+(4p^5q^3 + 4p^3q + 6pq^5)b$ $+(p^6q^3 + 7p^4q + 6p^2q^5 + q^3)c$ $+(3p^5q^6 + p^5 + p^3q^4)d$	$(p^6q^3 + 7p^4q + 6p^2q^5 + q^3)a$ $+(3p^5q^6 + p^5 + p^3q^4)b$ $+(3p^6q^6 + 4p^4q^4)c$ $+(4p^5q^3 + 4p^3q + 6pq^5)d$
91	$(4p^5q + p^3q^5)a$ $+(6p^6q^6 + p^6 + 5p^4q^4)b$ $+(4p^5q^4 + 4p^3q^2 + 6pq^6)c$ $+(5p^6q^3 + 2p^4q + 3p^2q^5 + q^3)d$	$(4p^5q^4 + 4p^3q^2 + 6pq^6)a$ $+(5p^6q^3 + 2p^4q + 3p^2q^5 + q^3)b$ $+(4p^5q + p^3q^5)c$ $+(6p^6q^6 + p^6 + 5p^4q^4)d$
92	$(5p^6q^4 + 2p^4q^2 + 3p^2q^6 + q^4)a$ $+(6p^5q + 4p^3q^5 + 6pq^3)b$ $+(7p^6q + 5p^4q^5)c$ $+(4p^3q^2 + 3pq^6 + p)d$	$(7p^6q + 5p^4q^5)a$ $+(4p^3q^2 + 3pq^6 + p)b$ $+(5p^6q^4 + 2p^4q^2 + 3p^2q^6 + q^4)c$ $+(6p^5q + 4p^3q^5 + 6pq^3)d$
93	$(4p^3q^3 + 4pq)a$ $+(5p^6q^4 + 6p^4q^2 + 6p^2q^6 + p^2 + q^4)b$ $+(6p^5q^2 + 4p^3q^6 + 6pq^4)c$ $+(4p^6q + 6p^2q^3)d$	$(6p^5q^2 + 4p^3q^6 + 6pq^4)a$ $+(4p^6q + 6p^2q^3)b$ $+(4p^3q^3 + 4pq)c$ $+(5p^6q^4 + 6p^4q^2 + 6p^2q^6 + p^2 + q^4)d$
94	$(4p^6q^2 + 6p^2q^4)a$ $+(p^3q^3 + 8pq)b$ $+(5p^6q^5 + 6p^4q^3 + 7p^2q + q^5)c$ $+(3p^5q^2 + p^3q^6 + p^3 + 3pq^4)d$	$(5p^6q^5 + 6p^4q^3 + 7p^2q + q^5)a$ $+(3p^5q^2 + p^3q^6 + p^3 + 3pq^4)b$ $+(4p^6q^2 + 6p^2q^4)c$ $+(p^3q^3 + 8pq)d$

95	$(3p^5q^3 + 2p^3q + 3pq^5)a + (7p^6q^2 + p^4q^6 + p^4)b + (p^3q^4 + 8pq^2)c + (5p^6q^5 + 7p^4q^3 + 6p^2q + q^5)d$	$(p^3q^4 + 8pq^2)a + (5p^6q^5 + 7p^4q^3 + 6p^2q + q^5)b + (3p^5q^3 + 2p^3q + 3pq^5)c + (7p^6q^2 + p^4q^6 + p^4)d + (7p^6q^3 + 2p^4q)a + (p^5q^6 + p^5 + p^3q^4 + 6pq^2)b + (5p^6q^6 + 7p^4q^4 + 6p^2q^2 + q^6)c + (p^5q^3 + 8p^3q)d + (p^5q^4 + 8p^3q^2)a + (8p^6q^3 + p^4q)b + (2p^5q + p^3q^5 + 6pq^3)c + (6p^6q^6 + p^6 + 8p^4q^4 + 3p^2q^2 + q^6)d + (7p^6q + 8p^4q^5 + 3p^2q^3 + q)a + (2p^3q^2 + 7pq^6 + p)b + (8p^6q^4 + p^4q^2)c + (3p^5q + p^3q^5 + 5pq^3)d + (3p^5q^2 + p^3q^6 + 5pq^4)a + (p^6q + 8p^2q^3 + q)b + (2p^3q^3 + 8pq)c + (8p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2)d + (8p^6q^5 + 3p^4q^3 + 8p^2q)a + (6p^5q^2 + 8p^3q^6 + p^3 + 4pq^4)b + (p^6q^2 + 8p^2q^4 + q^2)c + (p^3q^3 + pq)d + (p^3q^4 + pq^2)a + (8p^6q^5 + 4p^4q^3)b + (6p^5q^3 + 4pq^5)c + (7p^6q^2 + 8p^4q^6 + p^4 + 3p^2q^4 + q^2)d + (7p^6q^3 + 3p^2q^5 + q^3)a + (8p^5q^6 + p^5 + 4p^3q^4)b + (8p^6q^6 + 4p^4q^4)c + (p^5q^3 + 3pq^5)d + (p^5q^4 + 3pq^6)a + (8p^6q^3 + 6p^2q^5 + q^3)b + 4p^3q^5c + (7p^6q^6 + p^6 + 8p^4q^4)d + (8p^6q + 8p^4q^5)a + (pq^6 + p)b + (8p^6q^4 + 6p^2q^6 + q^4)c + p^3q^5d + p^3q^6a + 8p^6qb + 2pqc + (8p^6q^4 + 7p^2q^6 + p^2 + q^4)d + (8p^6q^5 + 8p^2q + q^5)a + (8p^3q^6 + p^3)b + 8p^6q^2c + pqd$
96	$(5p^6q^6 + 7p^4q^4 + 6p^2q^2 + q^6)a + (p^5q^3 + 8p^3q)b + (7p^6q^3 + 2p^4q)c + (p^5q^6 + p^5 + p^3q^4 + 6pq^2)d$	
97	$(2p^5q + p^3q^5 + 6pq^3)a + (6p^6q^6 + p^6 + 8p^4q^4 + 3p^2q^2 + q^6)b + (p^5q^4 + 8p^3q^2)c + (8p^6q^3 + p^4q)d$	
98	$(8p^6q^4 + p^4q^2)a + (3p^5q + p^3q^5 + 5pq^3)b + (7p^6q + 8p^4q^5 + 3p^2q^3 + q)c + (2p^3q^2 + 7pq^6 + p)d$	
99	$(2p^3q^3 + 8pq)a + (8p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2)b + (3p^5q^2 + p^3q^6 + 5pq^4)c + (p^6q + 8p^2q^3 + q)d$	
100	$(p^6q^2 + 8p^2q^4 + q^2)a + (p^3q^3 + pq)b + (8p^6q^5 + 3p^4q^3 + 8p^2q)c + (6p^5q^2 + 8p^3q^6 + p^3 + 4pq^4)d$	
101	$(6p^5q^3 + 4pq^5)a + (7p^6q^2 + 8p^4q^6 + p^4 + 3p^2q^4 + q^2)b + (p^3q^4 + pq^2)c + (8p^6q^5 + 4p^4q^3)d$	
102	$(8p^6q^6 + 4p^4q^4)a + (p^5q^3 + 3pq^5)b + (7p^6q^3 + 3p^2q^5 + q^3)c + (8p^5q^6 + p^5 + 4p^3q^4)d$	
103	$4p^3q^5a + (7p^6q^6 + p^6 + 8p^4q^4)b + (p^5q^4 + 3pq^6)c + (8p^6q^3 + 6p^2q^5 + q^3)d$	
104	$(8p^6q^4 + 6p^2q^6 + q^4)a + p^3q^5b + (8p^6q + 8p^4q^5)c + (pq^6 + p)d$	
105	$2pqa + (8p^6q^4 + 7p^2q^6 + p^2 + q^4)b + p^3q^6c + 8p^6qd$	
106	$8p^6q^2a + pqb + (8p^6q^5 + 8p^2q + q^5)c + (8p^3q^6 + p^3)d$	

107	$(8p^6q^2 + 8p^4q^6 + p^4)b + pq^2c$ + $(8p^6q^5 + q^5)d$	$pq^2a + (8p^6q^5 + q^5)b$ + $(8p^6q^2 + 8p^4q^6 + p^4)d$
108	$(8p^6q^6 + q^6)a$ + $8p^6q^3c + (8p^5q^6 + p^5)d$	$8p^6q^3a + (8p^5q^6 + p^5)b$ + $(8p^6q^6 + q^6)c$
109	$(7p^6q^6 + p^6 + q^6)b + 8p^6q^3d$	$8p^6q^3b + (7p^6q^6 + p^6 + q^6)d$
110	$8p^6q^4a + 8pq^3b$ + $(8p^6q + q)c + (8pq^6 + p)d$	$(8p^6q + q)a + (8pq^6 + p)b$ + $8p^6q^4c + 8pq^3d$
111	$(8p^6q^4 + 8p^2q^6 + p^2)b$ + $8pq^4c + (8p^6q + 8p^2q^3 + q)d$	$8pq^4a + (8p^6q + 8p^2q^3 + q)b$ + $(8p^6q^4 + 8p^2q^6 + p^2)d$
112	$(8p^6q^2 + 8p^2q^4 + q^2)a$ + $8p^3q^3b + 8p^6q^5c$ + $(8p^3q^6 + p^3 + 7pq^4)d$	$8p^6q^5a + (8p^3q^6 + p^3 + 7pq^4)b$ + $(8p^6q^2 + 8p^2q^4 + q^2)c$ + $8p^3q^3d$
113	$7pq^5a$ + $(8p^6q^2 + 8p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ + $8p^3q^4c + (8p^6q^5 + 8p^4q^3)d$	$8p^3q^4a + (8p^6q^5 + 8p^4q^3)b$ + $7pq^5c$ + $(8p^6q^2 + 8p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
114	$(8p^6q^6 + 8p^4q^4)a$ + $(8p^5q^3 + 6pq^5)b$ + $(8p^6q^3 + 6p^2q^5 + q^3)c$ + $(8p^5q^6 + p^5 + 5p^3q^4)d$	$(8p^6q^3 + 6p^2q^5 + q^3)a$ + $(8p^5q^6 + p^5 + 5p^3q^4)b$ + $(8p^6q^6 + 8p^4q^4)c$ + $(8p^5q^3 + 6pq^5)d$
115	$5p^3q^5a$ + $(7p^6q^6 + p^6 + 4p^4q^4)b$ + $(8p^5q^4 + 6pq^6)c$ + $(7p^6q^3 + 3p^2q^5 + q^3)d$	$(8p^5q^4 + 6pq^6)a$ + $(7p^6q^3 + 3p^2q^5 + q^3)b$ + $5p^3q^5c$ + $(7p^6q^6 + p^6 + 4p^4q^4)d$
116	$(7p^6q^4 + 3p^2q^6 + q^4)a$ + $(8p^3q^5 + 8pq^3)b$ + $(8p^6q + 4p^4q^5)c$ + $(3p^5q^4 + 4pq^6 + p)d$	$(8p^6q + 4p^4q^5)a$ + $(3p^5q^4 + 4pq^6 + p)b$ + $(7p^6q^4 + 3p^2q^6 + q^4)c$ + $(8p^3q^5 + 8pq^3)d$
117	$(3p^5q^5 + 5pq)a$ + $(p^6q^4 + 7p^2q^6 + p^2 + q^4)b$ + $(8p^3q^6 + 8pq^4)c$ + $(8p^6q + 3p^4q^5 + 8p^2q^3)d$	$(8p^3q^6 + 8pq^4)a$ + $(8p^6q + 3p^4q^5 + 8p^2q^3)b$ + $(3p^5q^5 + 5pq)c$ + $(p^6q^4 + 7p^2q^6 + p^2 + q^4)d$
118	$(8p^6q^2 + 3p^4q^6 + 8p^2q^4)a$ + $(6p^5q^5 + 8p^3q^3 + 4pq)b$ + $(p^6q^5 + 8p^2q + q^5)c$ + $(6p^3q^6 + p^3 + pq^4)d$	$(p^6q^5 + 8p^2q + q^5)a$ + $(6p^3q^6 + p^3 + pq^4)b$ + $(8p^6q^2 + 3p^4q^6 + 8p^2q^4)c$ + $(6p^5q^5 + 8p^3q^3 + 4pq)d$
119	$(7p^3q + pq^5)a$ + $(8p^6q^2 + p^4)b$ + $(6p^5q^6 + 8p^3q^4 + 4pq^2)c$ + $(7p^6q^5 + 8p^4q^3 + 3p^2q + q^5)d$	$(6p^5q^6 + 8p^3q^4 + 4pq^2)a$ + $(7p^6q^5 + 8p^4q^3 + 3p^2q + q^5)b$ + $(7p^3q + pq^5)c$ + $(8p^6q^2 + p^4)d$

120	$(7p^6q^6 + 8p^4q^4 + 3p^2q^2 + q^6)a$ + $(8p^5q^3 + p^3q)b$ + $(8p^6q^3 + p^4q)c$ + $(6p^5q^6 + p^5 + 8p^3q^4 + 3pq^2)d$	$(8p^6q^3 + p^4q)a$ + $(6p^5q^6 + p^5 + 8p^3q^4 + 3pq^2)b$ + $(7p^6q^6 + 8p^4q^4 + 3p^2q^2 + q^6)c$ + $(8p^5q^3 + p^3q)d$
121	$(7p^5q + 8p^3q^5 + 3pq^3)a$ + $(4p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2 + q^6)b$ + $(8p^5q^4 + p^3q^2)c$ + $(7p^6q^3 + 2p^4q)d$	$(8p^5q^4 + p^3q^2)a$ + $(7p^6q^3 + 2p^4q)b$ + $(7p^5q + 8p^3q^5 + 3pq^3)c$ + $(4p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2 + q^6)d$
122	$(7p^6q^4 + 2p^4q^2)a$ + $(8p^3q^5 + pq^3)b$ + $(5p^6q + 7p^4q^5 + 6p^2q^3 + q)c$ + $(6p^5q^4 + 7p^3q^2 + 5pq^6 + p)d$	$(5p^6q + 7p^4q^5 + 6p^2q^3 + q)a$ + $(6p^5q^4 + 7p^3q^2 + 5pq^6 + p)b$ + $(7p^6q^4 + 2p^4q^2)c$ + $(8p^3q^5 + pq^3)d$
123	$(6p^5q^5 + 7p^3q^3 + 6pq)a$ + $(4p^6q^4 + 5p^2q^6 + p^2)b$ + $(8p^3q^6 + pq^4)c$ + $(5p^6q + 6p^4q^5 + 7p^2q^3 + q)d$	$(8p^3q^6 + pq^4)a$ + $(5p^6q + 6p^4q^5 + 7p^2q^3 + q)b$ + $(6p^5q^5 + 7p^3q^3 + 6pq)c$ + $(4p^6q^4 + 5p^2q^6 + p^2)d$
124	$(5p^6q^2 + 6p^4q^6 + 7p^2q^4 + q^2)a$ + $(3p^5q^5 + 5p^3q^3 + 3pq)b$ + $(4p^6q^5 + 6p^2q)c$ + $(4p^3q^6 + p^3 + 5pq^4)d$	$(4p^6q^5 + 6p^2q)a$ + $(4p^3q^6 + p^3 + 5pq^4)b$ + $(5p^6q^2 + 6p^4q^6 + 7p^2q^4 + q^2)c$ + $(3p^5q^5 + 5p^3q^3 + 3pq)d$
125	$(5p^3q + 5pq^5)a$ + $(5p^6q^2 + p^4q^6 + p^4 + 3p^2q^4 + q^2)b$ + $(3p^5q^6 + 5p^3q^4 + 3pq^2)c$ + $(7p^6q^5 + 5p^4q^3)d$	$(3p^5q^6 + 5p^3q^4 + 3pq^2)a$ + $(7p^6q^5 + 5p^4q^3)b$ + $(5p^3q + 5pq^5)c$ + $(5p^6q^2 + p^4q^6 + p^4 + 3p^2q^4 + q^2)d$
126	$(7p^6q^6 + 5p^4q^4)a$ + $(5p^5q^3 + 5p^3q + 3pq^5)b$ + $(5p^6q^3 + 2p^4q + 3p^2q^5 + q^3)c$ + $(4p^5q^6 + p^5 + 8p^3q^4)d$	$(5p^6q^3 + 2p^4q + 3p^2q^5 + q^3)a$ + $(4p^5q^6 + p^5 + 8p^3q^4)b$ + $(7p^6q^6 + 5p^4q^4)c$ + $(5p^5q^3 + 5p^3q + 3pq^5)d$
127	$(5p^5q + 8p^3q^5)a$ + $(2p^6q^6 + p^6 + 4p^4q^4)b$ + $(5p^5q^4 + 5p^3q^2 + 3pq^6)c$ + $(p^6q^3 + 7p^4q + 6p^2q^5 + q^3)d$	$(5p^5q^4 + 5p^3q^2 + 3pq^6)a$ + $(p^6q^3 + 7p^4q + 6p^2q^5 + q^3)b$ + $(5p^5q + 8p^3q^5)c$ + $(2p^6q^6 + p^6 + 4p^4q^4)d$
128	$(p^6q^4 + 7p^4q^2 + 6p^2q^6 + q^4)a$ + $(3p^5q + 5p^3q^5 + 2pq^3)b$ + $(3p^6q + 4p^4q^5)c$ + $(5p^3q^2 + 5pq^6 + p)d$	$(3p^6q + 4p^4q^5)a$ + $(5p^3q^2 + 5pq^6 + p)b$ + $(p^6q^4 + 7p^4q^2 + 6p^2q^6 + q^4)c$ + $(3p^5q + 5p^3q^5 + 2pq^3)d$
129	$(5p^3q^3 + 6pq)a$ + $(p^6q^4 + 3p^4q^2 + 2p^2q^6 + p^2 + q^4)b$ + $(3p^5q^2 + 5p^3q^6 + 2pq^4)c$ + $(6p^6q + 2p^2q^3)d$	$(3p^5q^2 + 5p^3q^6 + 2pq^4)a$ + $(6p^6q + 2p^2q^3)b$ + $(5p^3q^3 + 6pq)c$ + $(p^6q^4 + 3p^4q^2 + 2p^2q^6 + p^2 + q^4)d$

130	$(6p^6q^2 + 2p^2q^4)a$ + $(7p^3q^3 + 3pq)b$ + $(p^6q^5 + 3p^4q^3 + 3p^2q + q^5)c$ + $(6p^5q^2 + 7p^3q^6 + p^3 + 4pq^4)d$	$(p^6q^5 + 3p^4q^3 + 3p^2q + q^5)a$ + $(6p^5q^2 + 7p^3q^6 + p^3 + 4pq^4)b$ + $(6p^6q^2 + 2p^2q^4)c$ + $(7p^3q^3 + 3pq)d$
131	$(6p^5q^3 + 8p^3q + 4pq^5)a$ + $(3p^6q^2 + 7p^4q^6 + p^4 + 6p^2q^4)b$ + $(7p^3q^4 + 3pq^2)c$ + $(p^6q^5 + p^4q^3 + 6p^2q + q^5)d$	$(7p^3q^4 + 3pq^2)a$ + $(p^6q^5 + p^4q^3 + 6p^2q + q^5)b$ + $(6p^5q^3 + 8p^3q + 4pq^5)c$ + $(3p^6q^2 + 7p^4q^6 + p^4 + 6p^2q^4)d$
132	$(p^6q^6 + p^4q^4 + 6p^2q^2 + q^6)a$ + $(7p^5q^3 + 5p^3q + 6pq^5)b$ + $(3p^6q^3 + 8p^4q + 6p^2q^5)c$ + $(7p^5q^6 + p^5 + 4p^3q^4 + 6pq^2)d$	$(3p^6q^3 + 8p^4q + 6p^2q^5)a$ + $(7p^5q^6 + p^5 + 4p^3q^4 + 6pq^2)b$ + $(p^6q^6 + p^4q^4 + 6p^2q^2 + q^6)c$ + $(7p^5q^3 + 5p^3q + 6pq^5)d$
133	$(8p^5q + 4p^3q^5 + 6pq^3)a$ + $(8p^6q^6 + p^6 + 5p^4q^4 + 3p^2q^2 + q^6)b$ + $(7p^5q^4 + 5p^3q^2 + 6pq^6)c$ + $(p^6q^3 + 4p^4q + 3p^2q^5)d$	$(7p^5q^4 + 5p^3q^2 + 6pq^6)a$ + $(p^6q^3 + 4p^4q + 3p^2q^5)b$ + $(8p^5q + 4p^3q^5 + 6pq^3)c$ + $(8p^6q^6 + p^6 + 5p^4q^4 + 3p^2q^2 + q^6)d$
134	$(p^6q^4 + 4p^4q^2 + 3p^2q^6)a$ + $(3p^5q + 7p^3q^5 + 7pq^3)b$ + $(5p^4q^5 + 3p^2q^3 + q)c$ + $(3p^5q^4 + 8p^3q^2 + 6pq^6 + p)d$	$(5p^4q^5 + 3p^2q^3 + q)a$ + $(3p^5q^4 + 8p^3q^2 + 6pq^6 + p)b$ + $(p^6q^4 + 4p^4q^2 + 3p^2q^6)c$ + $(3p^5q + 7p^3q^5 + 7pq^3)d$
135	$(3p^5q^5 + 8p^3q^3 + 7pq)a$ + $(4p^6q^4 + 3p^4q^2 + p^2)b$ + $(3p^5q^2 + 7p^3q^6 + 7pq^4)c$ + $(3p^6q + 3p^4q^5 + p^2q^3 + q)d$	$(3p^5q^2 + 7p^3q^6 + 7pq^4)a$ + $(3p^6q + 3p^4q^5 + p^2q^3 + q)b$ + $(3p^5q^5 + 8p^3q^3 + 7pq)c$ + $(4p^6q^4 + 3p^4q^2 + p^2)d$
136	$(3p^6q^2 + 3p^4q^6 + p^2q^4 + q^2)a$ + $(6p^5q^5 + 2pq)b$ + $(4p^6q^5 + 3p^4q^3 + p^2q)c$ + $(6p^5q^2 + 7p^3q^6 + p^3 + 2pq^4)d$	$(4p^6q^5 + 3p^4q^3 + p^2q)a$ + $(6p^5q^2 + 7p^3q^6 + p^3 + 2pq^4)b$ + $(3p^6q^2 + 3p^4q^6 + p^2q^4 + q^2)c$ + $(6p^5q^5 + 2pq)d$
137	$(6p^5q^3 + 8p^3q + 2pq^5)a$ + $(p^4q^6 + p^4 + 3p^2q^4 + q^2)b$ + $(6p^5q^6 + 2pq^2)c$ + $(p^6q^5 + 3p^4q^3 + 3p^2q)d$	$(6p^5q^6 + 2pq^2)a$ + $(p^6q^5 + 3p^4q^3 + 3p^2q)b$ + $(6p^5q^3 + 8p^3q + 2pq^5)c$ + $(p^4q^6 + p^4 + 3p^2q^4 + q^2)d$
138	$(p^6q^6 + 3p^4q^4 + 3p^2q^2)a$ + $(2p^3q + 3pq^5)b$ + $(2p^4q + 3p^2q^5 + q^3)c$ + $(7p^5q^6 + p^5 + 3p^3q^4 + 3pq^2)d$	$(2p^4q + 3p^2q^5 + q^3)a$ + $(7p^5q^6 + p^5 + 3p^3q^4 + 3pq^2)b$ + $(p^6q^6 + 3p^4q^4 + 3p^2q^2)c$ + $(2p^3q + 3pq^5)d$
139	$(8p^5q + 3p^3q^5 + 3pq^3)a$ + $(8p^6q^6 + p^6 + 6p^4q^4 + 6p^2q^2)b$ + $(2p^3q^2 + 3pq^6)c$ + $(4p^4q + 6p^2q^5 + q^3)d$	$(2p^3q^2 + 3pq^6)a$ + $(4p^4q + 6p^2q^5 + q^3)b$ + $(8p^5q + 3p^3q^5 + 3pq^3)c$ + $(8p^6q^6 + p^6 + 6p^4q^4 + 6p^2q^2)d$

140	$(4p^4q^2 + 6p^2q^6 + q^4)a$ + $(3p^5q + 4pq^3)b$ + $(6p^4q^5 + 6p^2q^3)c$ + $(6p^5q^4 + 8p^3q^2 + 2pq^6 + p)d$	$(6p^4q^5 + 6p^2q^3)a$ + $(6p^5q^4 + 8p^3q^2 + 2pq^6 + p)b$ + $(4p^4q^2 + 6p^2q^6 + q^4)c$ + $(3p^5q + 4pq^3)d$
141	$(6p^5q^5 + 8p^3q^3 + 3pq)a$ + $(6p^6q^4 + 3p^4q^2 + 8p^2q^6 + p^2 + q^4)b$ + $(3p^5q^2 + 4pq^4)c$ + $(3p^6q + 6p^4q^5 + p^2q^3)d$	$(3p^5q^2 + 4pq^4)a$ + $(3p^6q + 6p^4q^5 + p^2q^3)b$ + $(6p^5q^5 + 8p^3q^3 + 3pq)c$ + $(6p^6q^4 + 3p^4q^2 + 8p^2q^6 + p^2 + q^4)d$
142	$(3p^6q^2 + 6p^4q^6 + p^2q^4)a$ + $(3p^5q^5 + 6pq)b$ + $(6p^6q^5 + 3p^4q^3 + q^5)c$ + $(6p^5q^2 + 8p^3q^6 + p^3 + 2pq^4)d$	$(6p^6q^5 + 3p^4q^3 + q^5)a$ + $(6p^5q^2 + 8p^3q^6 + p^3 + 2pq^4)b$ + $(3p^6q^2 + 6p^4q^6 + p^2q^4)c$ + $(3p^5q^5 + 6pq)d$
143	$(6p^5q^3 + 2pq^5)a$ + $(5p^4q^6 + p^4 + 3p^2q^4)b$ + $(3p^5q^6 + 6pq^2)c$ + $(3p^4q^3 + 6p^2q + q^5)d$	$(3p^5q^6 + 6pq^2)a$ + $(3p^4q^3 + 6p^2q + q^5)b$ + $(6p^5q^3 + 2pq^5)c$ + $(5p^4q^6 + p^4 + 3p^2q^4)d$
144	$(3p^4q^4 + 6p^2q^2 + q^6)a$ + $(6p^3q + 3pq^5)b$ + $(6p^4q + 3p^2q^5)c$ + $(8p^5q^6 + p^5 + 3p^3q^4 + 6pq^2)d$	$(6p^4q + 3p^2q^5)a$ + $(8p^5q^6 + p^5 + 3p^3q^4 + 6pq^2)b$ + $(3p^4q^4 + 6p^2q^2 + q^6)c$ + $(6p^3q + 3pq^5)d$
145	$(3p^3q^5 + 6pq^3)a$ + $(8p^6q^6 + p^6 + 6p^4q^4 + 3p^2q^2 + q^6)b$ + $(6p^3q^2 + 3pq^6)c$ + $(3p^4q + 6p^2q^5)d$	$(6p^3q^2 + 3pq^6)a$ + $(3p^4q + 6p^2q^5)b$ + $(3p^3q^5 + 6pq^3)c$ + $(8p^6q^6 + p^6 + 6p^4q^4 + 3p^2q^2 + q^6)d$
146	$(3p^4q^2 + 6p^2q^6)a$ + $(3p^5q + 6pq^3)b$ + $(6p^4q^5 + 3p^2q^3 + q)c$ + $(6p^5q^4 + 3pq^6 + p)d$	$(6p^4q^5 + 3p^2q^3 + q)a$ + $(6p^5q^4 + 3pq^6 + p)b$ + $(3p^4q^2 + 6p^2q^6)c$ + $(3p^5q + 6pq^3)d$
147	$(6p^5q^5 + 4pq)a$ + $(6p^6q^4 + 3p^4q^2 + p^2)b$ + $(3p^5q^2 + 6pq^4)c$ + $(3p^6q + 6p^4q^5 + q)d$	$(3p^5q^2 + 6pq^4)a$ + $(3p^6q + 6p^4q^5 + q)b$ + $(6p^5q^5 + 4pq)c$ + $(6p^6q^4 + 3p^4q^2 + p^2)d$
148	$(3p^6q^2 + 6p^4q^6 + q^2)a$ + $(3p^5q^5 + 8pq)b$ + $(6p^6q^5 + 3p^4q^3 + p^2q)c$ + $(6p^5q^2 + p^3 + 3pq^4)d$	$(6p^6q^5 + 3p^4q^3 + p^2q)a$ + $(6p^5q^2 + p^3 + 3pq^4)b$ + $(3p^6q^2 + 6p^4q^6 + q^2)c$ + $(3p^5q^5 + 8pq)d$
149	$(6p^5q^3 + p^3q + 3pq^5)a$ + $(6p^4q^6 + p^4 + 3p^2q^4 + q^2)b$ + $(3p^5q^6 + 8pq^2)c + 3p^4q^3d$	$(3p^5q^6 + 8pq^2)a + 3p^4q^3b$ + $(6p^5q^3 + p^3q + 3pq^5)c$ + $(6p^4q^6 + p^4 + 3p^2q^4 + q^2)d$

150	$3p^4q^4a + (p^3q + 3pq^5)b + (7p^4q + 3p^2q^5 + q^3)c + (p^5 + 3p^3q^4)d$	$(7p^4q + 3p^2q^5 + q^3)a + (p^5 + 3p^3q^4)b + 3p^4q^4c + (p^3q + 3pq^5)d$
151	$(p^5q + 3p^3q^5)a + (p^6 + 6p^4q^4)b + (p^3q^2 + 3pq^6)c + (8p^4q + 6p^2q^5 + q^3)d$	$(p^3q^2 + 3pq^6)a + (8p^4q + 6p^2q^5 + q^3)b + (p^5q + 3p^3q^5)c + (p^6 + 6p^4q^4)d$
152	$(8p^4q^2 + 6p^2q^6 + q^4)a + pq^3b + (p^6q + 6p^4q^5)c + (6p^5q^4 + p^3q^2 + 3pq^6 + p)d$	$(p^6q + 6p^4q^5)a + (6p^5q^4 + p^3q^2 + 3pq^6 + p)b + (8p^4q^2 + 6p^2q^6 + q^4)c + pq^3d$
153	$(6p^5q^5 + p^3q^3 + 4pq)a + (6p^6q^4 + p^2 + q^4)b + pq^4c + (p^6q + 6p^4q^5 + p^2q^3)d$	$pq^4a + (p^6q + 6p^4q^5 + p^2q^3)b + (6p^5q^5 + p^3q^3 + 4pq)c + (6p^6q^4 + p^2 + q^4)d$
154	$(p^6q^2 + 6p^4q^6 + p^2q^4)a + (3p^5q^5 + 2p^3q^3 + 5pq)b + (6p^6q^5 + p^2q + q^5)c + (p^3 + 8pq^4)d$	$(6p^6q^5 + p^2q + q^5)a + (p^3 + 8pq^4)b + (p^6q^2 + 6p^4q^6 + p^2q^4)c + (3p^5q^5 + 2p^3q^3 + 5pq)d$
155	$(p^3q + 8pq^5)a + (p^6q^2 + 6p^4q^6 + p^4)b + (3p^5q^6 + 2p^3q^4 + 5pq^2)c + (2p^4q^3 + 6p^2q + q^5)d$	$(3p^5q^6 + 2p^3q^4 + 5pq^2)a + (2p^4q^3 + 6p^2q + q^5)b + (p^3q + 8pq^5)c + (p^6q^2 + 6p^4q^6 + p^4)d$
156	$(2p^4q^4 + 6p^2q^2 + q^6)a + (2p^5q^3 + 7p^3q)b + (p^6q^3 + 7p^4q)c + (p^5 + 2p^3q^4 + 6pq^2)d$	$(p^6q^3 + 7p^4q)a + (p^5 + 2p^3q^4 + 6pq^2)b + (2p^4q^4 + 6p^2q^2 + q^6)c + (2p^5q^3 + 7p^3q)d$
157	$(p^5q + 2p^3q^5 + 6pq^3)a + (p^6 + 4p^4q^4 + 3p^2q^2 + q^6)b + (2p^5q^4 + 7p^3q^2)c + (3p^6q^3 + 5p^4q)d$	$(2p^5q^4 + 7p^3q^2)a + (3p^6q^3 + 5p^4q)b + (p^5q + 2p^3q^5 + 6pq^3)c + (p^6 + 4p^4q^4 + 3p^2q^2 + q^6)d$
158	$(3p^6q^4 + 5p^4q^2)a + (6p^5q + 2p^3q^5)b + (p^6q + 4p^4q^5 + 3p^2q^3 + q)c + (6p^5q^4 + p^3q^2 + pq^6 + p)d$	$(p^6q + 4p^4q^5 + 3p^2q^3 + q)a + (6p^5q^4 + p^3q^2 + pq^6 + p)b + (3p^6q^4 + 5p^4q^2)c + (6p^5q + 2p^3q^5)d$
159	$(6p^5q^5 + p^3q^3 + 2pq)a + (6p^4q^2 + p^2q^6 + p^2)b + (6p^5q^2 + 2p^3q^6)c + (7p^6q + 6p^4q^5 + 3p^2q^3 + q)d$	$(6p^5q^2 + 2p^3q^6)a + (7p^6q + 6p^4q^5 + 3p^2q^3 + q)b + (6p^5q^5 + p^3q^3 + 2pq)c + (6p^4q^2 + p^2q^6 + p^2)d$
160	$(7p^6q^2 + 6p^4q^6 + 3p^2q^4 + q^2)a + (3p^5q^5 + 4p^3q^3 + pq)b + (6p^4q^3 + 2p^2q)c + (3p^5q^2 + 3p^3q^6 + p^3)d$	$(6p^4q^3 + 2p^2q)a + (3p^5q^2 + 3p^3q^6 + p^3)b + (7p^6q^2 + 6p^4q^6 + 3p^2q^4 + q^2)c + (3p^5q^5 + 4p^3q^3 + pq)d$

161	$(3p^5q^3 + 4p^3q)a$ + $(p^6q^2 + p^4 + 3p^2q^4 + q^2)b$ + $(3p^5q^6 + 4p^3q^4 + pq^2)c$ + $(3p^6q^5 + p^4q^3 + 3p^2q)d$	$(3p^5q^6 + 4p^3q^4 + pq^2)a$ + $(3p^6q^5 + p^4q^3 + 3p^2q)b$ + $(3p^5q^3 + 4p^3q)c$ + $(p^6q^2 + p^4 + 3p^2q^4 + q^2)d$
162	$(3p^6q^6 + p^4q^4 + 3p^2q^2)a$ + $(4p^5q^3 + 7p^3q + 3pq^5)b$ + $(p^6q^3 + p^4q + 3p^2q^5 + q^3)c$ + $(3p^5q^6 + p^5 + 7p^3q^4 + 3pq^2)d$	$(p^6q^3 + p^4q + 3p^2q^5 + q^3)a$ + $(3p^5q^6 + p^5 + 7p^3q^4 + 3pq^2)b$ + $(3p^6q^6 + p^4q^4 + 3p^2q^2)c$ + $(4p^5q^3 + 7p^3q + 3pq^5)d$
163	$(4p^5q + 7p^3q^5 + 3pq^3)a$ + $(6p^6q^6 + p^6 + 8p^4q^4 + 6p^2q^2)b$ + $(4p^5q^4 + 7p^3q^2 + 3pq^6)c$ + $(5p^6q^3 + 8p^4q + 6p^2q^5 + q^3)d$	$(4p^5q^4 + 7p^3q^2 + 3pq^6)a$ + $(5p^6q^3 + 8p^4q + 6p^2q^5 + q^3)b$ + $(4p^5q + 7p^3q^5 + 3pq^3)c$ + $(6p^6q^6 + p^6 + 8p^4q^4 + 6p^2q^2)d$
164	$(5p^6q^4 + 8p^4q^2 + 6p^2q^6 + q^4)a$ + $(3p^5q + 4p^3q^5)b$ + $(7p^6q + 8p^4q^5 + 6p^2q^3)c$ + $(3p^5q^4 + 4p^3q^2 + p)d$	$(7p^6q + 8p^4q^5 + 6p^2q^3)a$ + $(3p^5q^4 + 4p^3q^2 + p)b$ + $(5p^6q^4 + 8p^4q^2 + 6p^2q^6 + q^4)c$ + $(3p^5q + 4p^3q^5)d$
165	$(3p^5q^5 + 4p^3q^3 + pq)a$ + $(8p^6q^4 + 3p^4q^2 + 6p^2q^6 + p^2 + q^4)b$ + $(3p^5q^2 + 4p^3q^6)c$ + $(p^6q + 3p^4q^5 + 6p^2q^3)d$	$(3p^5q^2 + 4p^3q^6)a$ + $(p^6q + 3p^4q^5 + 6p^2q^3)b$ + $(3p^5q^5 + 4p^3q^3 + pq)c$ + $(8p^6q^4 + 3p^4q^2 + 6p^2q^6 + p^2 + q^4)d$
166	$(p^6q^2 + 3p^4q^6 + 6p^2q^4)a$ + $(6p^5q^5 + p^3q^3 + 2pq)b$ + $(8p^6q^5 + 3p^4q^3 + 7p^2q + q^5)c$ + $(6p^5q^2 + p^3q^6 + p^3)d$	$(8p^6q^5 + 3p^4q^3 + 7p^2q + q^5)a$ + $(6p^5q^2 + p^3q^6 + p^3)b$ + $(p^6q^2 + 3p^4q^6 + 6p^2q^4)c$ + $(6p^5q^5 + p^3q^3 + 2pq)d$
167	$(6p^5q^3 + 2p^3q)a$ + $(7p^6q^2 + 4p^4q^6 + p^4 + 6p^2q^4)b$ + $(6p^5q^6 + p^3q^4 + 2pq^2)c$ + $(5p^6q^5 + 4p^4q^3 + q^5)d$	$(6p^5q^6 + p^3q^4 + 2pq^2)a$ + $(5p^6q^5 + 4p^4q^3 + q^5)b$ + $(6p^5q^3 + 2p^3q)c$ + $(7p^6q^2 + 4p^4q^6 + p^4 + 6p^2q^4)d$
168	$(5p^6q^6 + 4p^4q^4 + q^6)a$ + $(p^5q^3 + 2p^3q + 6pq^5)b$ + $(7p^6q^3 + 5p^4q + 6p^2q^5)c$ + $(p^5q^6 + p^5 + 7p^3q^4)d$	$(7p^6q^3 + 5p^4q + 6p^2q^5)a$ + $(p^5q^6 + p^5 + 7p^3q^4)b$ + $(5p^6q^6 + 4p^4q^4 + q^6)c$ + $(p^5q^3 + 2p^3q + 6pq^5)d$
169	$(2p^5q + 7p^3q^5)a$ + $(6p^6q^6 + p^6 + 2p^4q^4 + q^6)b$ + $(p^5q^4 + 2p^3q^2 + 6pq^6)c$ + $(8p^6q^3 + 7p^4q + 3p^2q^5)d$	$(p^5q^4 + 2p^3q^2 + 6pq^6)a$ + $(8p^6q^3 + 7p^4q + 3p^2q^5)b$ + $(2p^5q + 7p^3q^5)c$ + $(6p^6q^6 + p^6 + 2p^4q^4 + q^6)d$
170	$(8p^6q^4 + 7p^4q^2 + 3p^2q^6)a$ + $(p^3q^5 + 8pq^3)b$ + $(7p^6q + 2p^4q^5 + q)c$ + $(3p^5q^4 + 2p^3q^2 + 4pq^6 + p)d$	$(7p^6q + 2p^4q^5 + q)a$ + $(3p^5q^4 + 2p^3q^2 + 4pq^6 + p)b$ + $(8p^6q^4 + 7p^4q^2 + 3p^2q^6)c$ + $(p^3q^5 + 8pq^3)d$

171	$(3p^5q^5 + 2p^3q^3 + 5pq)a$ + $(2p^6q^4 + 7p^2q^6 + p^2)b$ + $(p^3q^6 + 8pq^4)c$ + $(7p^6q + 3p^4q^5 + 8p^2q^3 + q)d$	$(p^3q^6 + 8pq^4)a$ + $(7p^6q + 3p^4q^5 + 8p^2q^3 + q)b$ + $(3p^5q^5 + 2p^3q^3 + 5pq)c$ + $(2p^6q^4 + 7p^2q^6 + p^2)d$
172	$(7p^6q^2 + 3p^4q^6 + 8p^2q^4 + q^2)a$ + $(6p^5q^5 + p^3q^3 + 4pq)b$ + $(2p^6q^5 + 8p^2q)c$ + $(8p^3q^6 + p^3 + pq^4)d$	$(2p^6q^5 + 8p^2q)a$ + $(8p^3q^6 + p^3 + pq^4)b$ + $(7p^6q^2 + 3p^4q^6 + 8p^2q^4 + q^2)c$ + $(6p^5q^5 + p^3q^3 + 4pq)d$
173	$pq^5a + (7p^6q^2 + 2p^4q^6 + p^4 + q^2)b$ + $(6p^5q^6 + p^3q^4 + 4pq^2)c$ + $(8p^6q^5 + p^4q^3 + 3p^2q)d$	$(6p^5q^6 + p^3q^4 + 4pq^2)a$ + $(8p^6q^5 + p^4q^3 + 3p^2q)b + pq^5c$ + $(7p^6q^2 + 2p^4q^6 + p^4 + q^2)d$
174	$(8p^6q^6 + p^4q^4 + 3p^2q^2)a$ + $(p^5q^3 + 3p^3q)b$ + $(7p^6q^3 + 3p^4q + q^3)c$ + $(8p^5q^6 + p^5 + p^3q^4 + 3pq^2)d$	$(7p^6q^3 + 3p^4q + q^3)a$ + $(8p^5q^6 + p^5 + p^3q^4 + 3pq^2)b$ + $(8p^6q^6 + p^4q^4 + 3p^2q^2)c$ + $(p^5q^3 + 3p^3q)d$
175	$(p^3q^5 + 3pq^3)a$ + $(7p^6q^6 + p^6 + 2p^4q^4 + 6p^2q^2)b$ + $(p^5q^4 + 3p^3q^2)c$ + $(8p^6q^3 + 6p^4q + q^3)d$	$(p^5q^4 + 3p^3q^2)a$ + $(8p^6q^3 + 6p^4q + q^3)b$ + $(p^3q^5 + 3pq^3)c$ + $(7p^6q^6 + p^6 + 2p^4q^4 + 6p^2q^2)d$
176	$(8p^6q^4 + 6p^4q^2 + q^4)a$ + $(6p^5q + p^3q^5 + 3pq^3)b$ + $(8p^6q + 2p^4q^5 + 6p^2q^3)c$ + $(3p^5q^4 + 7pq^6 + p)d$	$(8p^6q + 2p^4q^5 + 6p^2q^3)a$ + $(3p^5q^4 + 7pq^6 + p)b$ + $(8p^6q^4 + 6p^4q^2 + q^4)c$ + $(6p^5q + p^3q^5 + 3pq^3)d$
177	$(3p^5q^5 + 8pq)a$ + $(2p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2 + q^4)b$ + $(6p^5q^2 + p^3q^6 + 3pq^4)c$ + $(5p^6q + 3p^4q^5)d$	$(6p^5q^2 + p^3q^6 + 3pq^4)a$ + $(5p^6q + 3p^4q^5)b$ + $(3p^5q^5 + 8pq)c$ + $(2p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2 + q^4)d$
178	$(5p^6q^2 + 3p^4q^6)a$ + $(6p^5q^5 + 4pq)b$ + $(2p^6q^5 + 6p^4q^3 + 8p^2q + q^5)c$ + $(3p^5q^2 + 8p^3q^6 + p^3 + 6pq^4)d$	$(2p^6q^5 + 6p^4q^3 + 8p^2q + q^5)a$ + $(3p^5q^2 + 8p^3q^6 + p^3 + 6pq^4)b$ + $(5p^6q^2 + 3p^4q^6)c$ + $(6p^5q^5 + 4pq)d$
179	$(3p^5q^3 + 6pq^5)a$ + $(8p^6q^2 + 2p^4q^6 + p^4 + 6p^2q^4)b$ + $(6p^5q^6 + 4pq^2)c$ + $(8p^6q^5 + 6p^4q^3 + 3p^2q + q^5)d$	$(6p^5q^6 + 4pq^2)a$ + $(8p^6q^5 + 6p^4q^3 + 3p^2q + q^5)b$ + $(3p^5q^3 + 6pq^5)c$ + $(8p^6q^2 + 2p^4q^6 + p^4 + 6p^2q^4)d$
180	$(8p^6q^6 + 6p^4q^4 + 3p^2q^2 + q^6)a$ + $(3p^3q + 6pq^5)b$ + $(8p^6q^3 + 3p^4q + 6p^2q^5)c$ + $(8p^5q^6 + p^5 + 6p^3q^4 + 3pq^2)d$	$(8p^6q^3 + 3p^4q + 6p^2q^5)a$ + $(8p^5q^6 + p^5 + 6p^3q^4 + 3pq^2)b$ + $(8p^6q^6 + 6p^4q^4 + 3p^2q^2 + q^6)c$ + $(3p^3q + 6pq^5)d$

181	$(6p^3q^5 + 3pq^3)a$ +(7p^6q^6 + p^6 + 3p^4q^4 + 6p^2q^2 + q^6)b +(3p^3q^2 + 6pq^6)c +(8p^6q^3 + 6p^4q + 3p^2q^5)d	$(3p^3q^2 + 6pq^6)a$ +(8p^6q^3 + 6p^4q + 3p^2q^5)b +(6p^3q^5 + 3pq^3)c +(7p^6q^6 + p^6 + 3p^4q^4 + 6p^2q^2 + q^6)d
182	$(8p^6q^4 + 6p^4q^2 + 3p^2q^6)a$ +(6p^5q + 2pq^3)b +(8p^6q + 3p^4q^5 + 6p^2q^3 + q)c +(3p^5q^4 + 5pq^6 + p)d	$(8p^6q + 3p^4q^5 + 6p^2q^3 + q)a$ +(3p^5q^4 + 5pq^6 + p)b +(8p^6q^4 + 6p^4q^2 + 3p^2q^6)c +(6p^5q + 2pq^3)d
183	$(3p^5q^5 + 6pq)a$ +(2p^6q^4 + 6p^4q^2 + 8p^2q^6 + p^2)b +(6p^5q^2 + 2pq^4)c +(5p^6q + 3p^4q^5 + 8p^2q^3 + q)d	$(6p^5q^2 + 2pq^4)a$ +(5p^6q + 3p^4q^5 + 8p^2q^3 + q)b +(3p^5q^5 + 6pq)c +(2p^6q^4 + 6p^4q^2 + 8p^2q^6 + p^2)d
184	$(5p^6q^2 + 3p^4q^6 + 8p^2q^4 + q^2)a$ +(6p^5q^5 + 8p^3q^3 + 3pq)b +(2p^6q^5 + 6p^4q^3)c +(3p^5q^2 + 8p^3q^6 + p^3 + 4pq^4)d	$(2p^6q^5 + 6p^4q^3)a$ +(3p^5q^2 + 8p^3q^6 + p^3 + 4pq^4)b +(5p^6q^2 + 3p^4q^6 + 8p^2q^4 + q^2)c +(6p^5q^5 + 8p^3q^3 + 3pq)d
185	$(3p^5q^3 + 4pq^5)a$ +(8p^6q^2 + 2p^4q^6 + p^4 + 3p^2q^4 + q^2)b +(6p^5q^6 + 8p^3q^4 + 3pq^2)c +(8p^6q^5 + 5p^4q^3 + 3p^2q)d	$(6p^5q^6 + 8p^3q^4 + 3pq^2)a$ +(8p^6q^5 + 5p^4q^3 + 3p^2q)b +(3p^5q^3 + 4pq^5)c +(8p^6q^2 + 2p^4q^6 + p^4 + 3p^2q^4 + q^2)d
186	$(8p^6q^6 + 5p^4q^4 + 3p^2q^2)a$ +(8p^5q^3 + 3p^3q + 3pq^5)b +(8p^6q^3 + 3p^4q + 3p^2q^5 + q^3)c +(8p^5q^6 + p^5 + 2p^3q^4 + 3pq^2)d	$(8p^6q^3 + 3p^4q + 3p^2q^5 + q^3)a$ +(8p^5q^6 + p^5 + 2p^3q^4 + 3pq^2)b +(8p^6q^6 + 5p^4q^4 + 3p^2q^2)c +(8p^5q^3 + 3p^3q + 3pq^5)d
187	$(2p^3q^5 + 3pq^3)a$ +(7p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2)b +(8p^5q^4 + 3p^3q^2 + 3pq^6)c +(7p^6q^3 + 6p^4q + 6p^2q^5 + q^3)d	$(8p^5q^4 + 3p^3q^2 + 3pq^6)a$ +(7p^6q^3 + 6p^4q + 6p^2q^5 + q^3)b +(2p^3q^5 + 3pq^3)c +(7p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2)d
188	$(7p^6q^4 + 6p^4q^2 + 6p^2q^6 + q^4)a$ +(6p^5q + 8p^3q^5 + 2pq^3)b +(8p^6q + 7p^4q^5 + 6p^2q^3)c +(6p^5q^4 + pq^6 + p)d	$(8p^6q + 7p^4q^5 + 6p^2q^3)a$ +(6p^5q^4 + pq^6 + p)b +(7p^6q^4 + 6p^4q^2 + 6p^2q^6 + q^4)c +(6p^5q + 8p^3q^5 + 2pq^3)d
189	$(6p^5q^5 + 2pq)a$ +(4p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2 + q^4)b +(6p^5q^2 + 8p^3q^6 + 2pq^4)c +(5p^6q + 6p^4q^5 + 8p^2q^3)d	$(6p^5q^2 + 8p^3q^6 + 2pq^4)a$ +(5p^6q + 6p^4q^5 + 8p^2q^3)b +(6p^5q^5 + 2pq)c +(4p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2 + q^4)d
190	$(5p^6q^2 + 6p^4q^6 + 8p^2q^4)a$ +(3p^5q^5 + 8p^3q^3 + 7pq)b +(4p^6q^5 + 6p^4q^3 + 8p^2q + q^5)c +(3p^5q^2 + 6p^3q^6 + p^3 + 7pq^4)d	$(4p^6q^5 + 6p^4q^3 + 8p^2q + q^5)a$ +(3p^5q^2 + 6p^3q^6 + p^3 + 7pq^4)b +(5p^6q^2 + 6p^4q^6 + 8p^2q^4)c +(3p^5q^5 + 8p^3q^3 + 7pq)d

191	$(3p^5q^3 + 7p^3q + 7pq^5)a$ + $(8p^6q^2 + 3p^4q^6 + p^4 + 6p^2q^4)b$ + $(3p^5q^6 + 8p^3q^4 + 7pq^2)c$ + $(7p^6q^5 + 5p^4q^3 + 6p^2q + q^5)d$	$(3p^5q^6 + 8p^3q^4 + 7pq^2)a$ + $(7p^6q^5 + 5p^4q^3 + 6p^2q + q^5)b$ + $(3p^5q^3 + 7p^3q + 7pq^5)c$ + $(8p^6q^2 + 3p^4q^6 + p^4 + 6p^2q^4)d$
192	$(7p^6q^6 + 5p^4q^4 + 6p^2q^2 + q^6)a$ + $(8p^5q^3 + 4p^3q + 6pq^5)b$ + $(8p^6q^3 + 4p^4q + 6p^2q^5)c$ + $(6p^5q^6 + p^5 + 5p^3q^4 + 6pq^2)d$	$(8p^6q^3 + 4p^4q + 6p^2q^5)a$ + $(6p^5q^6 + p^5 + 5p^3q^4 + 6pq^2)b$ + $(7p^6q^6 + 5p^4q^4 + 6p^2q^2 + q^6)c$ + $(8p^5q^3 + 4p^3q + 6pq^5)d$
193	$(7p^5q + 5p^3q^5 + 6pq^3)a$ + $(4p^6q^6 + p^6 + p^4q^4 + 3p^2q^2 + q^6)b$ + $(8p^5q^4 + 4p^3q^2 + 6pq^6)c$ + $(7p^6q^3 + 8p^4q + 3p^2q^5)d$	$(8p^5q^4 + 4p^3q^2 + 6pq^6)a$ + $(7p^6q^3 + 8p^4q + 3p^2q^5)b$ + $(7p^5q + 5p^3q^5 + 6pq^3)c$ + $(4p^6q^6 + p^6 + p^4q^4 + 3p^2q^2 + q^6)d$
194	$(7p^6q^4 + 8p^4q^2 + 3p^2q^6)a$ + $(6p^5q + 8p^3q^5 + 4pq^3)b$ + $(5p^6q + p^4q^5 + 3p^2q^3 + q)c$ + $(7p^3q^2 + 2pq^6 + p)d$	$(5p^6q + p^4q^5 + 3p^2q^3 + q)a$ + $(7p^3q^2 + 2pq^6 + p)b$ + $(7p^6q^4 + 8p^4q^2 + 3p^2q^6)c$ + $(6p^5q + 8p^3q^5 + 4pq^3)d$
195	$(7p^3q^3 + 3pq)a$ + $(7p^6q^4 + 6p^4q^2 + 5p^2q^6 + p^2)b$ + $(6p^5q^2 + 8p^3q^6 + 4pq^4)c$ + $(2p^6q + 7p^2q^3 + q)d$	$(6p^5q^2 + 8p^3q^6 + 4pq^4)a$ + $(2p^6q + 7p^2q^3 + q)b$ + $(7p^3q^3 + 3pq)c$ + $(7p^6q^4 + 6p^4q^2 + 5p^2q^6 + p^2)d$
196	$(2p^6q^2 + 7p^2q^4 + q^2)a$ + $(5p^3q^3 + 6pq)b$ + $(7p^6q^5 + 6p^4q^3 + 6p^2q)c$ + $(3p^5q^2 + 4p^3q^6 + p^3 + 2pq^4)d$	$(7p^6q^5 + 6p^4q^3 + 6p^2q)a$ + $(3p^5q^2 + 4p^3q^6 + p^3 + 2pq^4)b$ + $(2p^6q^2 + 7p^2q^4 + q^2)c$ + $(5p^3q^3 + 6pq)d$
197	$(3p^5q^3 + 5p^3q + 2pq^5)a$ + $(5p^6q^2 + 4p^4q^6 + p^4 + q^2)b$ + $(5p^3q^4 + 6pq^2)c$ + $(7p^6q^5 + 2p^4q^3 + 3p^2q)d$	$(5p^3q^4 + 6pq^2)a$ + $(7p^6q^5 + 2p^4q^3 + 3p^2q)b$ + $(3p^5q^3 + 5p^3q + 2pq^5)c$ + $(5p^6q^2 + 4p^4q^6 + p^4 + q^2)d$
198	$(7p^6q^6 + 2p^4q^4 + 3p^2q^2)a$ + $(5p^5q^3 + 8p^3q)b$ + $(5p^6q^3 + 5p^4q + q^3)c$ + $(4p^5q^6 + p^5 + 5p^3q^4 + 3pq^2)d$	$(5p^6q^3 + 5p^4q + q^3)a$ + $(4p^5q^6 + p^5 + 5p^3q^4 + 3pq^2)b$ + $(7p^6q^6 + 2p^4q^4 + 3p^2q^2)c$ + $(5p^5q^3 + 8p^3q)d$
199	$(5p^5q + 5p^3q^5 + 3pq^3)a$ + $(2p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2)b$ + $(5p^5q^4 + 8p^3q^2)c$ + $(p^6q^3 + 4p^4q + q^3)d$	$(5p^5q^4 + 8p^3q^2)a$ + $(p^6q^3 + 4p^4q + q^3)b$ + $(5p^5q + 5p^3q^5 + 3pq^3)c$ + $(2p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2)d$
200	$(p^6q^4 + 4p^4q^2 + q^4)a$ + $(5p^3q^5 + 5pq^3)b$ + $(3p^6q + 7p^4q^5 + 6p^2q^3)c$ + $(3p^5q^4 + 5p^3q^2 + 2pq^6 + p)d$	$(3p^6q + 7p^4q^5 + 6p^2q^3)a$ + $(3p^5q^4 + 5p^3q^2 + 2pq^6 + p)b$ + $(p^6q^4 + 4p^4q^2 + q^4)c$ + $(5p^3q^5 + 5pq^3)d$

201	$(3p^5q^5 + 5p^3q^3 + 3pq)a + (4p^6q^4 + 2p^2q^6 + p^2 + q^4)b + (5p^3q^6 + 5pq^4)c + (3p^6q + 3p^4q^5 + 2p^2q^3)d$	$(5p^3q^6 + 5pq^4)a + (3p^6q + 3p^4q^5 + 2p^2q^3)b + (3p^5q^5 + 5p^3q^3 + 3pq)c + (4p^6q^4 + 2p^2q^6 + p^2 + q^4)d$
202	$(3p^6q^2 + 3p^4q^6 + 2p^2q^4)a + (6p^5q^5 + 7p^3q^3 + 6pq)b + (4p^6q^5 + 3p^2q + q^5)c + (7p^3q^6 + p^3 + pq^4)d$	$(4p^6q^5 + 3p^2q + q^5)a + (7p^3q^6 + p^3 + pq^4)b + (3p^6q^2 + 3p^4q^6 + 2p^2q^4)c + (6p^5q^5 + 7p^3q^3 + 6pq)d$
203	$(8p^3q + pq^5)a + (3p^6q^2 + p^4q^6 + p^4 + 3p^2q^4)b + (6p^5q^6 + 7p^3q^4 + 6pq^2)c + (p^6q^5 + 7p^4q^3 + q^5)d$	$(6p^5q^6 + 7p^3q^4 + 6pq^2)a + (p^6q^5 + 7p^4q^3 + q^5)b + (8p^3q + pq^5)c + (3p^6q^2 + p^4q^6 + p^4 + 3p^2q^4)d$
204	$(p^6q^6 + 7p^4q^4 + q^6)a + (7p^5q^3 + 8p^3q + 3pq^5)b + (3p^6q^3 + 2p^4q + 3p^2q^5)c + (7p^5q^6 + p^5 + p^3q^4)d$	$(3p^6q^3 + 2p^4q + 3p^2q^5)a + (7p^5q^6 + p^5 + p^3q^4)b + (p^6q^6 + 7p^4q^4 + q^6)c + (7p^5q^3 + 8p^3q + 3pq^5)d$
205	$(8p^5q + p^3q^5)a + (8p^6q^6 + p^6 + 8p^4q^4 + q^6)b + (7p^5q^4 + 8p^3q^2 + 3pq^6)c + (p^6q^3 + p^4q + 6p^2q^5)d$	$(7p^5q^4 + 8p^3q^2 + 3pq^6)a + (p^6q^3 + p^4q + 6p^2q^5)b + (8p^5q + p^3q^5)c + (8p^6q^6 + p^6 + 8p^4q^4 + q^6)d$
206	$(p^6q^4 + p^4q^2 + 6p^2q^6)a + (7p^3q^5 + pq^3)b + (8p^4q^5 + q)c + (6p^5q^4 + 8p^3q^2 + 3pq^6 + p)d$	$(8p^4q^5 + q)a + (6p^5q^4 + 8p^3q^2 + 3pq^6 + p)b + (p^6q^4 + p^4q^2 + 6p^2q^6)c + (7p^3q^5 + pq^3)d$
207	$(6p^5q^5 + 8p^3q^3 + 4pq)a + (7p^6q^4 + p^2)b + (7p^3q^6 + pq^4)c + (6p^4q^5 + p^2q^3 + q)d$	$(7p^3q^6 + pq^4)a + (6p^4q^5 + p^2q^3 + q)b + (6p^5q^5 + 8p^3q^3 + 4pq)c + (7p^6q^4 + p^2)d$
208	$(6p^4q^6 + p^2q^4 + q^2)a + (3p^5q^5 + 5pq)b + (7p^6q^5 + p^2q)c + (7p^3q^6 + p^3 + 8pq^4)d$	$(7p^6q^5 + p^2q)a + (7p^3q^6 + p^3 + 8pq^4)b + (6p^4q^6 + p^2q^4 + q^2)c + (3p^5q^5 + 5pq)d$
209	$(8p^3q + 8pq^5)a + (4p^4q^6 + p^4 + q^2)b + (3p^5q^6 + 5pq^2)c + (p^6q^5 + 6p^2q)d$	$(3p^5q^6 + 5pq^2)a + (p^6q^5 + 6p^2q)b + (8p^3q + 8pq^5)c + (4p^4q^6 + p^4 + q^2)d$
210	$(p^6q^6 + 6p^2q^2)a + 5p^3qb + (5p^4q + q^3)c + (7p^5q^6 + p^5 + 6pq^2)d$	$(5p^4q + q^3)a + (7p^5q^6 + p^5 + 6pq^2)b + (p^6q^6 + 6p^2q^2)c + 5p^3qd$

211	$(8p^5q + 6pq^3)a$ + $(8p^6q^6 + p^6 + 3p^2q^2)b + 5p^3q^2c$ + $(p^4q + q^3)d$	$5p^3q^2a + (p^4q + q^3)b$ + $(8p^5q + 6pq^3)c$ + $(8p^6q^6 + p^6 + 3p^2q^2)d$
212	$(p^4q^2 + q^4)a + 7pq^3b$ + $3p^2q^3c + (8p^3q^2 + 8pq^6 + p)d$	$3p^2q^3a + (8p^3q^2 + 8pq^6 + p)b$ + $(p^4q^2 + q^4)c + 7pq^3d$
213	$8p^3q^3a + (8p^2q^6 + p^2 + q^4)b$ + $7pq^4c + p^2q^3d$	$7pq^4a + p^2q^3b$ + $8p^3q^3c + (8p^2q^6 + p^2 + q^4)d$
214	$p^2q^4a + q^5c$ + $(8p^3q^6 + p^3 + 8pq^4)d$	$q^5a + (8p^3q^6 + p^3 + 8pq^4)b$ + p^2q^4c
215	$8pq^5a + (8p^4q^6 + p^4)b + q^5d$	$q^5b + 8pq^5c + (8p^4q^6 + p^4)d$
216	$q^6a + (8p^5q^6 + p^5)d$	$(8p^5q^6 + p^5)b + q^6c$
217	$(8p^6q^6 + p^6 + q^6)b$	$(8p^6q^6 + p^6 + q^6)d$

Theorem 4. The Second 2-Fibonacci sequence has a base with respect to function ψ with lenght 216 and with members:

n	$\alpha'_n = \psi(\alpha_n) = \psi(\bullet)$	$\beta'_n = \psi(\beta_n) = \psi(\bullet)$
0	a	c
1	b	d
2	$pb + qc$	$qa + pd$
3	$p^2b + pqc + qd$	$pqa + qb + p^2d$
4	$q^2a + p^3b + p^2qc + 2pqd$	$p^2qa + 2pqb + q^2c + p^3d$
5	$2pq^2a + (p^4 + q^2)b + p^3qc + 3p^2qd$	$p^3qa + 3p^2qb + 2pq^2c + (p^4 + q^2)d$
6	$3p^2q^2a + (p^5 + 3pq^2)b$ + $(p^4q + q^3)c + 4p^3qd$	$(p^4q + q^3)a + 4p^3qb$ + $3p^2q^2c + (p^5 + 3pq^2)d$
7	$4p^3q^2a + (p^6 + 6p^2q^2)b$ + $(p^5q + 3pq^3)c + (5p^4q + q^3)d$	$(p^5q + 3pq^3)a + (5p^4q + q^3)b$ + $4p^3q^2c + (p^6 + 6p^2q^2)d$
8	$(5p^4q^2 + q^4)a + (p^3q^2 + p)b$ + $(p^6q + 6p^2q^3)c + (6p^5q + 4pq^3)d$	$(p^6q + 6p^2q^3)a + (6p^5q + 4pq^3)b$ + $(5p^4q^2 + q^4)c + (p^3q^2 + p)d$
9	$(6p^5q^2 + 4pq^4)a + (6p^4q^2 + p^2 + q^4)b$ + $(p^3q^3 + pq)c + (7p^6q + p^2q^3)d$	$(p^3q^3 + pq)a + (7p^6q + p^2q^3)b$ + $(6p^5q^2 + 4pq^4)c + (6p^4q^2 + p^2 + q^4)d$
10	$(7p^6q^2 + p^2q^4)a$ + $(3p^5q^2 + p^3 + 5pq^4)b$ + $(6p^4q^3 + p^2q + q^5)c$ + $(2p^3q^3 + 8pq)d$	$(6p^4q^3 + p^2q + q^5)a$ + $(2p^3q^3 + 8pq)b$ + $(7p^6q^2 + p^2q^4)c$ + $(3p^5q^2 + p^3 + 5pq^4)d$
11	$(2p^3q^4 + 8pq^2)a$ + $(p^6q^2 + p^4 + 6p^2q^4)b$ + $(3p^5q^3 + p^3q + 5pq^5)c$ + $(8p^4q^3 + q^5)d$	$(3p^5q^3 + p^3q + 5pq^5)a$ + $(8p^4q^3 + q^5)b$ + $(2p^3q^4 + 8pq^2)c$ + $(p^6q^2 + p^4 + 6p^2q^4)d$

12	$(8p^4q^4 + q^6)a$ $+(p^5 + 8p^3q^4)b$ $+(p^6q^3 + p^4q + 6p^2q^5)c$ $+(2p^5q^3 + p^3q + 6pq^5)d$	$(p^6q^3 + p^4q + 6p^2q^5)a$ $+(2p^5q^3 + p^3q + 6pq^5)b$ $+(8p^4q^4 + q^6)c$ $+(p^5 + 8p^3q^4)d$
13	$(2p^5q^4 + p^3q^2 + 6pq^6)a$ $+(p^6 + 7p^4q^4 + q^6)b$ $+(p^5q + 8p^3q^5)c$ $+(3p^6q^3 + 2p^4q + 3p^2q^5)d$	$(p^5q + 8p^3q^5)a$ $+(3p^6q^3 + 2p^4q + 3p^2q^5)b$ $+(2p^5q^4 + p^3q^2 + 6pq^6)c$ $+(p^6 + 7p^4q^4 + q^6)d$
14	$(3p^6q^4 + 2p^4q^2 + 3p^2q^6)a$ $+(p^3q^2 + 7pq^6 + p)b$ $+(p^6q + 7p^4q^5 + q)c$ $+(3p^5q + 2p^3q^5 + 3pq^3)d$	$(p^6q + 7p^4q^5 + q)a$ $+(3p^5q + 2p^3q^5 + 3pq^3)b$ $+(3p^6q^4 + 2p^4q^2 + 3p^2q^6)c$ $+(p^3q^2 + 7pq^6 + p)d$
15	$(3p^5q^2 + 2p^3q^6 + 3pq^4)a$ $+(3p^6q^4 + 3p^4q^2 + p^2q^6 + p^2)b$ $+(p^3q^3 + 8pq)c$ $+(4p^6q + 3p^2q^3 + q)d$	$(p^3q^3 + 8pq)a$ $+(4p^6q + 3p^2q^3 + q)b$ $+(3p^5q^2 + 2p^3q^6 + 3pq^4)c$ $+(3p^6q^4 + 3p^4q^2 + p^2q^6 + p^2)d$
16	$(4p^6q^2 + 3p^2q^4 + q^2)a$ $+(6p^5q^2 + 3p^3q^6 + p^3 + 6pq^4)b$ $+(3p^6q^5 + 3p^4q^3 + 2p^2q)c$ $+(4p^3q^3 + 4pq)d$	$(3p^6q^5 + 3p^4q^3 + 2p^2q)a$ $+(4p^3q^3 + 4pq)b$ $+(4p^6q^2 + 3p^2q^4 + q^2)c$ $+(6p^5q^2 + 3p^3q^6 + p^3 + 6pq^4)d$
17	$(4p^3q^4 + 4pq^2)a$ $+(p^6q^2 + 3p^4q^6 + p^4 + q^2)b$ $+(6p^5q^3 + 4p^3q + 6pq^5)c$ $+(3p^6q^5 + 7p^4q^3 + 6p^2q)d$	$(6p^5q^3 + 4p^3q + 6pq^5)a$ $+(3p^6q^5 + 7p^4q^3 + 6p^2q)b$ $+(4p^3q^4 + 4pq^2)c$ $+(p^6q^2 + 3p^4q^6 + p^4 + q^2)d$
18	$(3p^6q^6 + 7p^4q^4 + 6p^2q^2)a$ $+(3p^5q^6 + p^5 + 4p^3q^4 + 6pq^2)b$ $+(p^6q^3 + 4p^4q + q^3)c$ $+(4p^5q^3 + p^3q)d$	$(p^6q^3 + 4p^4q + q^3)a$ $+(4p^5q^3 + p^3q)b$ $+(3p^6q^6 + 7p^4q^4 + 6p^2q^2)c$ $+(3p^5q^6 + p^5 + 4p^3q^4 + 6pq^2)d$
19	$(4p^5q^4 + p^3q^2)a$ $+(6p^6q^6 + p^6 + 2p^4q^4 + 3p^2q^2)b$ $+(4p^5q + 4p^3q^5 + 6pq^3)c$ $+(5p^6q^3 + 5p^4q + q^3)d$	$(4p^5q + 4p^3q^5 + 6pq^3)a$ $+(5p^6q^3 + 5p^4q + q^3)b$ $+(4p^5q^4 + p^3q^2)c$ $+(6p^6q^6 + p^6 + 2p^4q^4 + 3p^2q^2)d$
20	$(5p^6q^4 + 5p^4q^2 + q^4)a$ $+(6p^5q^4 + 4p^3q^2 + 6pq^6 + p)b$ $+(7p^6q + 2p^4q^5 + 3p^2q^3)c$ $+(4p^3q^5 + 3pq^3)d$	$(7p^6q + 2p^4q^5 + 3p^2q^3)a$ $+(4p^3q^5 + 3pq^3)b$ $+(5p^6q^4 + 5p^4q^2 + q^4)c$ $+(6p^5q^4 + 4p^3q^2 + 6pq^6 + p)d$
21	$(4p^3q^6 + 3pq^4)a$ $+(2p^6q^4 + 6p^2q^6 + p^2 + q^4)b$ $+(6p^5q^5 + 4p^3q^3 + 7pq)c$ $+(7p^6q + 6p^4q^5 + 6p^2q^3)d$	$(6p^5q^5 + 4p^3q^3 + 7pq)a$ $+(7p^6q + 6p^4q^5 + 6p^2q^3)b$ $+(4p^3q^6 + 3pq^4)c$ $+(2p^6q^4 + 6p^2q^6 + p^2 + q^4)d$

22	$(7p^6q^2 + 6p^4q^6 + 6p^2q^4)a$ $+(p^3q^6 + p^3 + 6pq^4)b$ $+(2p^6q^5 + 7p^2q + q^5)c$ $+(3p^5q^5 + p^3q^3 + 5pq)d$	$(2p^6q^5 + 7p^2q + q^5)a$ $+(3p^5q^5 + p^3q^3 + 5pq)b$ $+(7p^6q^2 + 6p^4q^6 + 6p^2q^4)c$ $+(p^3q^6 + p^3 + 6pq^4)d$
23	$(3p^5q^6 + p^3q^4 + 5pq^2)a$ $+(7p^6q^2 + 7p^4q^6 + p^4 + 3p^2q^4)b$ $+(2p^3q + 6pq^5)c$ $+(5p^6q^5 + p^4q^3 + 3p^2q + q^5)d$	$(2p^3q + 6pq^5)a$ $+(5p^6q^5 + p^4q^3 + 3p^2q + q^5)b$ $+(3p^5q^6 + p^3q^4 + 5pq^2)c$ $+(7p^6q^2 + 7p^4q^6 + p^4 + 3p^2q^4)d$
24	$(5p^6q^6 + p^4q^4 + 3p^2q^2 + q^6)a$ $+(p^5q^6 + p^5 + 4p^3q^4 + 3pq^2)b$ $+(7p^6q^3 + 8p^4q + 3p^2q^5)c$ $+(p^5q^3 + 5p^3q + 3pq^5)d$	$(7p^6q^3 + 8p^4q + 3p^2q^5)a$ $+(p^5q^3 + 5p^3q + 3pq^5)b$ $+(5p^6q^6 + p^4q^4 + 3p^2q^2 + q^6)c$ $+(p^5q^6 + p^5 + 4p^3q^4 + 3pq^2)d$
25	$(p^5q^4 + 5p^3q^2 + 3pq^6)a$ $+(6p^6q^6 + p^6 + 5p^4q^4 + 6p^2q^2 + q^6)b$ $+(2p^5q + 4p^3q^5 + 3pq^3)c$ $+(8p^6q^3 + 4p^4q + 6p^2q^5)d$	$(2p^5q + 4p^3q^5 + 3pq^3)a$ $+(8p^6q^3 + 4p^4q + 6p^2q^5)b$ $+(p^5q^4 + 5p^3q^2 + 3pq^6)c$ $+(6p^6q^6 + p^6 + 5p^4q^4 + 6p^2q^2 + q^6)d$
26	$(8p^6q^4 + 4p^4q^2 + 6p^2q^6)a$ $+(6p^5q^4 + 2p^3q^2 + pq^6 + p)b$ $+(7p^6q + 5p^4q^5 + 6p^2q^3 + q)c$ $+(6p^5q + p^3q^5 + 2pq^3)d$	$(7p^6q + 5p^4q^5 + 6p^2q^3 + q)a$ $+(6p^5q + p^3q^5 + 2pq^3)b$ $+(8p^6q^4 + 4p^4q^2 + 6p^2q^6)c$ $+(6p^5q^4 + 2p^3q^2 + pq^6 + p)d$
27	$(6p^5q^2 + p^3q^6 + 2pq^4)a$ $+(5p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2)b$ $+(6p^5q^5 + 2p^3q^3 + 2pq)c$ $+(4p^6q + 6p^4q^5 + 8p^2q^3 + q)d$	$(6p^5q^5 + 2p^3q^3 + 2pq)a$ $+(4p^6q + 6p^4q^5 + 8p^2q^3 + q)b$ $+(6p^5q^2 + p^3q^6 + 2pq^4)c$ $+(5p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2)d$
28	$(4p^6q^2 + 6p^4q^6 + 8p^2q^4 + q^2)a$ $+(3p^5q^2 + 8p^3q^6 + p^3 + 7pq^4)b$ $+(5p^6q^5 + 6p^4q^3 + 8p^2q)c$ $+(3p^5q^5 + p^3q^3 + 7pq)d$	$(5p^6q^5 + 6p^4q^3 + 8p^2q)a$ $+(3p^5q^5 + p^3q^3 + 7pq)b$ $+(4p^6q^2 + 6p^4q^6 + 8p^2q^4 + q^2)c$ $+(3p^5q^2 + 8p^3q^6 + p^3 + 7pq^4)d$
29	$(3p^5q^6 + p^3q^4 + 7pq^2)a$ $+(7p^6q^2 + 5p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ $+(3p^5q^3 + 7pq^5)c$ $+(8p^6q^5 + 7p^4q^3 + 6p^2q)d$	$(3p^5q^3 + 7pq^5)a$ $+(8p^6q^5 + 7p^4q^3 + 6p^2q)b$ $+(3p^5q^6 + p^3q^4 + 7pq^2)c$ $+(7p^6q^2 + 5p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
30	$(8p^6q^6 + 7p^4q^4 + 6p^2q^2)a$ $+(8p^5q^6 + p^5 + 7p^3q^4 + 6pq^2)b$ $+(7p^6q^3 + 6p^4q + 6p^2q^5 + q^3)c$ $+(p^5q^3 + 6p^3q + 6pq^5)d$	$(7p^6q^3 + 6p^4q + 6p^2q^5 + q^3)a$ $+(p^5q^3 + 6p^3q + 6pq^5)b$ $+(8p^6q^6 + 7p^4q^4 + 6p^2q^2)c$ $+(8p^5q^6 + p^5 + 7p^3q^4 + 6pq^2)d$
31	$(p^5q^4 + 6p^3q^2 + 6pq^6)a$ $+(7p^6q^6 + p^6 + 5p^4q^4 + 3p^2q^2)b$ $+(7p^3q^5 + 6pq^3)c$ $+(8p^6q^3 + 3p^4q + 3p^2q^5 + q^3)d$	$(7p^3q^5 + 6pq^3)a$ $+(8p^6q^3 + 3p^4q + 3p^2q^5 + q^3)b$ $+(p^5q^4 + 6p^3q^2 + 6pq^6)c$ $+(7p^6q^6 + p^6 + 5p^4q^4 + 3p^2q^2)d$

32	$(8p^6q^4 + 3p^4q^2 + 3p^2q^6 + q^4)a$ $+(6p^5q^4 + 4pq^6 + p)b$ $+(8p^6q + 5p^4q^5 + 3p^2q^3)c$ $+(3p^5q + p^3q^5 + 6pq^3)d$	$(8p^6q + 5p^4q^5 + 3p^2q^3)a$ $+(3p^5q + p^3q^5 + 6pq^3)b$ $+(8p^6q^4 + 3p^4q^2 + 3p^2q^6 + q^4)c$ $+(6p^5q^4 + 4pq^6 + p)d$
33	$(3p^5q^2 + p^3q^6 + 6pq^4)a$ $+(5p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2 + q^4)b$ $+(6p^5q^5 + 5pq)c$ $+(2p^6q + 6p^4q^5)d$	$(6p^5q^5 + 5pq)a$ $+(2p^6q + 6p^4q^5)b$ $+(3p^5q^2 + p^3q^6 + 6pq^4)c$ $+(5p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2 + q^4)d$
34	$(2p^6q^2 + 6p^4q^6)a$ $+(6p^5q^2 + 8p^3q^6 + p^3 + 3pq^4)b$ $+(5p^6q^5 + 3p^4q^3 + 8p^2q + q^5)c$ $+(3p^5q^5 + 7pq)d$	$(5p^6q^5 + 3p^4q^3 + 8p^2q + q^5)a$ $+(3p^5q^5 + 7pq)b$ $+(2p^6q^2 + 6p^4q^6)c$ $+(6p^5q^2 + 8p^3q^6 + p^3 + 3pq^4)d$
35	$(3p^5q^6 + 7pq^2)a$ $+(8p^6q^2 + 5p^4q^6 + p^4 + 3p^2q^4)b$ $+(6p^5q^3 + 3pq^5)c$ $+(8p^6q^5 + 3p^4q^3 + 6p^2q + q^5)d$	$(6p^5q^3 + 3pq^5)a$ $+(8p^6q^5 + 3p^4q^3 + 6p^2q + q^5)b$ $+(3p^5q^6 + 7pq^2)c$ $+(8p^6q^2 + 5p^4q^6 + p^4 + 3p^2q^4)d$
36	$(8p^6q^6 + 3p^4q^4 + 6p^2q^2 + q^6)a$ $+(8p^5q^6 + p^5 + 3p^3q^4 + 6pq^2)b$ $+(8p^6q^3 + 6p^4q + 3p^2q^5)c$ $+(6p^3q + 3pq^5)d$	$(8p^6q^3 + 6p^4q + 3p^2q^5)a$ $+(6p^3q + 3pq^5)b$ $+(8p^6q^6 + 3p^4q^4 + 6p^2q^2 + q^6)c$ $+(8p^5q^6 + p^5 + 3p^3q^4 + 6pq^2)d$
37	$(6p^3q^2 + 3pq^6)a$ $+(7p^6q^6 + p^6 + 6p^4q^4 + 3p^2q^2 + q^6)b$ $+(3p^3q^5 + 6pq^3)c$ $+(8p^6q^3 + 3p^4q + 6p^2q^5)d$	$(3p^3q^5 + 6pq^3)a$ $+(8p^6q^3 + 3p^4q + 6p^2q^5)b$ $+(6p^3q^2 + 3pq^6)c$ $+(7p^6q^6 + p^6 + 6p^4q^4 + 3p^2q^2 + q^6)d$
38	$(8p^6q^4 + 3p^4q^2 + 6p^2q^6)a$ $+(6p^5q^4 + 2pq^6 + p)b$ $+(8p^6q + 6p^4q^5 + 3p^2q^3 + q)c$ $+(3p^5q + 5pq^3)d$	$(8p^6q + 6p^4q^5 + 3p^2q^3 + q)a$ $+(3p^5q + 5pq^3)b$ $+(8p^6q^4 + 3p^4q^2 + 6p^2q^6)c$ $+(6p^5q^4 + 2pq^6 + p)d$
39	$(3p^5q^2 + 5pq^4)a$ $+(5p^6q^4 + 3p^4q^2 + 8p^2q^6 + p^2)b$ $+(6p^5q^5 + 3pq)c$ $+(2p^6q + 6p^4q^5 + 8p^2q^3 + q)d$	$(6p^5q^5 + 3pq)a$ $+(2p^6q + 6p^4q^5 + 8p^2q^3 + q)b$ $+(3p^5q^2 + 5pq^4)c$ $+(5p^6q^4 + 3p^4q^2 + 8p^2q^6 + p^2)d$
40	$(2p^6q^2 + 6p^4q^6 + 8p^2q^4 + q^2)a$ $+(6p^5q^2 + 8p^3q^6 + p^3 + pq^4)b$ $+(5p^6q^5 + 3p^4q^3)c$ $+(3p^5q^5 + 8p^3q^3 + 6pq)d$	$(5p^6q^5 + 3p^4q^3)a$ $+(3p^5q^5 + 8p^3q^3 + 6pq)b$ $+(2p^6q^2 + 6p^4q^6 + 8p^2q^4 + q^2)c$ $+(6p^5q^2 + 8p^3q^6 + p^3 + pq^4)d$
41	$(3p^5q^6 + 8p^3q^4 + 6pq^2)a$ $+(8p^6q^2 + 5p^4q^6 + p^4 + q^2)b$ $+(6p^5q^3 + pq^5)c$ $+(8p^6q^5 + 2p^4q^3 + 6p^2q)d$	$(6p^5q^3 + pq^5)a$ $+(8p^6q^5 + 2p^4q^3 + 6p^2q)b$ $+(3p^5q^6 + 8p^3q^4 + 6pq^2)c$ $+(8p^6q^2 + 5p^4q^6 + p^4 + q^2)d$

	$(8p^6q^6 + 2p^4q^4 + 6p^2q^2)a$ + $(8p^5q^6 + p^5 + 8p^3q^4 + 6pq^2)b$ + $(8p^6q^3 + 6p^4q + q^3)c$ + $(8p^5q^3 + 6p^3q)d$	$(8p^6q^3 + 6p^4q + q^3)a$ + $(8p^5q^3 + 6p^3q)b$ + $(8p^6q^6 + 2p^4q^4 + 6p^2q^2)c$ + $(8p^5q^6 + p^5 + 8p^3q^4 + 6pq^2)d$
42	$(8p^5q^4 + 6p^3q^2)a$ + $(7p^6q^6 + p^6 + p^4q^4 + 3p^2q^2)b$ + $(8p^3q^5 + 6pq^3)c$ + $(7p^6q^3 + 3p^4q + q^3)d$	$(8p^3q^5 + 6pq^3)a$ + $(7p^6q^3 + 3p^4q + q^3)b$ + $(8p^5q^4 + 6p^3q^2)c$ + $(7p^6q^6 + p^6 + p^4q^4 + 3p^2q^2)d$
43	$(7p^6q^4 + 3p^4q^2 + q^4)a$ + $(7pq^6 + p)b$ + $(8p^6q + p^4q^5 + 3p^2q^3)c$ + $(3p^5q + 8p^3q^5 + 5pq^3)d$	$(8p^6q + p^4q^5 + 3p^2q^3)a$ + $(3p^5q + 8p^3q^5 + 5pq^3)b$ + $(7p^6q^4 + 3p^4q^2 + q^4)c$ + $(7pq^6 + p)d$
44	$(3p^5q^2 + 8p^3q^6 + 5pq^4)a$ + $(7p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2 + q^4)b$ + $8pqc + (2p^6q + 8p^2q^3)d$	$8pqa + (2p^6q + 8p^2q^3)b$ + $(3p^5q^2 + 8p^3q^6 + 5pq^4)c$ + $(7p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2 + q^4)d$
45	$(2p^6q^2 + 8p^2q^4)a$ + $(6p^5q^2 + 6p^3q^6 + p^3 + 4pq^4)b$ + $(7p^6q^5 + 3p^4q^3 + 8p^2q + q^5)c$ + $(8p^3q^3 + pq)d$	$(7p^6q^5 + 3p^4q^3 + 8p^2q + q^5)a$ + $(8p^3q^3 + pq)b$ + $(2p^6q^2 + 8p^2q^4)c$ + $(6p^5q^2 + 6p^3q^6 + p^3 + 4pq^4)d$
46	$(8p^3q^4 + pq^2)a$ + $(8p^6q^2 + 6p^4q^6 + p^4 + 3p^2q^4)b$ + $(6p^5q^3 + 7p^3q + 4pq^5)c$ + $(7p^6q^5 + 2p^4q^3 + q^5)d$	$(6p^5q^3 + 7p^3q + 4pq^5)a$ + $(7p^6q^5 + 2p^4q^3 + q^5)b$ + $(8p^3q^4 + pq^2)c$ + $(8p^6q^2 + 6p^4q^6 + p^4 + 3p^2q^4)d$
47	$(7p^6q^6 + 2p^4q^4 + q^6)a$ + $(6p^5q^6 + p^5 + 2p^3q^4)b$ + $(8p^6q^3 + 7p^4q + 3p^2q^5)c$ + $(8p^5q^3 + 7p^3q + 3pq^5)d$	$(8p^6q^3 + 7p^4q + 3p^2q^5)a$ + $(8p^5q^3 + 7p^3q + 3pq^5)b$ + $(7p^6q^6 + 2p^4q^4 + q^6)c$ + $(6p^5q^6 + p^5 + 2p^3q^4)d$
48	$(8p^5q^4 + 7p^3q^2 + 3pq^6)a$ + $(4p^6q^6 + p^6 + 4p^4q^4 + q^6)b$ + $(7p^5q + 2p^3q^5)c$ + $(7p^6q^3 + 5p^4q + 6p^2q^5)d$	$(7p^5q + 2p^3q^5)a$ + $(7p^6q^3 + 5p^4q + 6p^2q^5)b$ + $(8p^5q^4 + 7p^3q^2 + 3pq^6)c$ + $(4p^6q^6 + p^6 + 4p^4q^4 + q^6)d$
49	$(7p^6q^4 + 5p^4q^2 + 6p^2q^6)a$ + $(3p^5q^4 + 7p^3q^2 + 8pq^6 + p)b$ + $(5p^6q + 4p^4q^5 + q)c$ + $(3p^5q + 8p^3q^5 + 7pq^3)d$	$(5p^6q + 4p^4q^5 + q)a$ + $(3p^5q + 8p^3q^5 + 7pq^3)b$ + $(7p^6q^4 + 5p^4q^2 + 6p^2q^6)c$ + $(3p^5q^4 + 7p^3q^2 + 8pq^6 + p)d$
50	$(3p^5q^2 + 8p^3q^6 + 7pq^4)a$ + $(p^6q^4 + 3p^4q^2 + 5p^2q^6 + p^2)b$ + $(3p^5q^5 + 7p^3q^3)c$ + $(8p^6q + 3p^4q^5 + 7p^2q^3 + q)d$	$(3p^5q^5 + 7p^3q^3)a$ + $(8p^6q + 3p^4q^5 + 7p^2q^3 + q)b$ + $(3p^5q^2 + 8p^3q^6 + 7pq^4)c$ + $(p^6q^4 + 3p^4q^2 + 5p^2q^6 + p^2)d$
51		

52	$(8p^6q^2 + 3p^4q^6 + 7p^2q^4 + q^2)a$ + $(6p^5q^2 + 4p^3q^6 + p^3 + 8pq^4)b$ + $(p^6q^5 + 3p^4q^3 + 6p^2q)c$ + $(6p^5q^5 + 5p^3q^3)d$	$(p^6q^5 + 3p^4q^3 + 6p^2q)a$ + $(6p^5q^5 + 5p^3q^3)b$ + $(8p^6q^2 + 3p^4q^6 + 7p^2q^4 + q^2)c$ + $(6p^5q^2 + 4p^3q^6 + p^3 + 8pq^4)d$
53	$(6p^5q^6 + 5p^3q^4)a$ + $(5p^6q^2 + 7p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ + $(6p^5q^3 + 5p^3q + 8pq^5)c$ + $(7p^6q^5 + 8p^4q^3 + 6p^2q)d$	$(6p^5q^3 + 5p^3q + 8pq^5)a$ + $(7p^6q^5 + 8p^4q^3 + 6p^2q)b$ + $(6p^5q^6 + 5p^3q^4)c$ + $(5p^6q^2 + 7p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
54	$(7p^6q^6 + 8p^4q^4 + 6p^2q^2)a$ + $(4p^5q^6 + p^5 + 2p^3q^4 + 6pq^2)b$ + $(5p^6q^3 + 8p^4q + 6p^2q^5 + q^3)c$ + $(5p^5q^3 + 2p^3q + 6pq^5)d$	$(5p^6q^3 + 8p^4q + 6p^2q^5 + q^3)a$ + $(5p^5q^3 + 2p^3q + 6pq^5)b$ + $(7p^6q^6 + 8p^4q^4 + 6p^2q^2)c$ + $(4p^5q^6 + p^5 + 2p^3q^4 + 6pq^2)d$
55	$(5p^5q^4 + 2p^3q^2 + 6pq^6)a$ + $(2p^6q^6 + p^6 + p^4q^4 + 3p^2q^2)b$ + $(5p^5q + 2p^3q^5 + 6pq^3)c$ + $(p^6q^3 + p^4q + 3p^2q^5 + q^3)d$	$(5p^5q + 2p^3q^5 + 6pq^3)a$ + $(p^6q^3 + p^4q + 3p^2q^5 + q^3)b$ + $(5p^5q^4 + 2p^3q^2 + 6pq^6)c$ + $(2p^6q^6 + p^6 + p^4q^4 + 3p^2q^2)d$
56	$(p^6q^4 + p^4q^2 + 3p^2q^6 + q^4)a$ + $(6p^5q^4 + 5p^3q^2 + 8pq^6 + p)b$ + $(3p^6q + p^4q^5 + 3p^2q^3)c$ + $(6p^5q + 5p^3q^5 + 8pq^3)d$	$(3p^6q + p^4q^5 + 3p^2q^3)a$ + $(6p^5q + 5p^3q^5 + 8pq^3)b$ + $(p^6q^4 + p^4q^2 + 3p^2q^6 + q^4)c$ + $(6p^5q^4 + 5p^3q^2 + 8pq^6 + p)d$
57	$(6p^5q^2 + 5p^3q^6 + 8pq^4)a$ + $(7p^6q^4 + 6p^4q^2 + 2p^2q^6 + p^2 + q^4)b$ + $(6p^5q^5 + 5p^3q^3)c$ + $(6p^4q^5 + 2p^2q^3)d$	$(6p^5q^5 + 5p^3q^3)a$ + $(6p^4q^5 + 2p^2q^3)b$ + $(6p^5q^2 + 5p^3q^6 + 8pq^4)c$ + $(7p^6q^4 + 6p^4q^2 + 2p^2q^6 + p^2 + q^4)d$
58	$(6p^4q^6 + 2p^2q^4)a$ + $(3p^5q^2 + 7p^3q^6 + p^3 + 7pq^4)b$ + $(7p^6q^5 + 6p^4q^3 + 3p^2q + q^5)c$ + $(3p^5q^5 + 7p^3q^3)d$	$(7p^6q^5 + 6p^4q^3 + 3p^2q + q^5)a$ + $(3p^5q^5 + 7p^3q^3)b$ + $(6p^4q^6 + 2p^2q^4)c$ + $(3p^5q^2 + 7p^3q^6 + p^3 + 7pq^4)d$
59	$(3p^5q^6 + 7p^3q^4)a$ + $(3p^6q^2 + 4p^4q^6 + p^4)b$ + $(3p^5q^3 + 8p^3q + 7pq^5)c$ + $(p^6q^5 + 4p^4q^3 + 3p^2q + q^5)d$	$(3p^5q^3 + 8p^3q + 7pq^5)a$ + $(p^6q^5 + 4p^4q^3 + 3p^2q + q^5)b$ + $(3p^5q^6 + 7p^3q^4)c$ + $(3p^6q^2 + 4p^4q^6 + p^4)d$
60	$(p^6q^6 + 4p^4q^4 + 3p^2q^2 + q^6)a$ + $(7p^5q^6 + p^5 + 7p^3q^4 + 3pq^2)b$ + $(3p^6q^3 + 5p^4q)c$ + $(7p^5q^3 + 2p^3q)d$	$(3p^6q^3 + 5p^4q)a$ + $(7p^5q^3 + 2p^3q)b$ + $(p^6q^6 + 4p^4q^4 + 3p^2q^2 + q^6)c$ + $(7p^5q^6 + p^5 + 7p^3q^4 + 3pq^2)d$
61	$(7p^5q^4 + 2p^3q^2)a$ + $(8p^6q^6 + p^6 + 2p^4q^4 + 6p^2q^2 + q^6)b$ + $(8p^5q + 7p^3q^5 + 3pq^3)c$ + $(p^6q^3 + 7p^4q)d$	$(8p^5q + 7p^3q^5 + 3pq^3)a$ + $(p^6q^3 + 7p^4q)b$ + $(7p^5q^4 + 2p^3q^2)c$ + $(8p^6q^6 + p^6 + 2p^4q^4 + 6p^2q^2 + q^6)d$

62	$(p^6q^4 + 7p^4q^2)a$ + $(8p^3q^2 + p)b$ + $(2p^4q^5 + 6p^2q^3 + q)c$ + $(6p^5q + 7p^3q^5 + 4pq^3)d$	$(2p^4q^5 + 6p^2q^3 + q)a$ + $(6p^5q + 7p^3q^5 + 4pq^3)b$ + $(p^6q^4 + 7p^4q^2)c$ + $(8p^3q^2 + p)d$
63	$(6p^5q^2 + 7p^3q^6 + 4pq^4)a$ + $(p^6q^4 + 6p^4q^2 + p^2)b$ + $(8p^3q^3 + pq)c$ + $(6p^6q + p^2q^3 + q)d$	$(8p^3q^3 + pq)a$ + $(6p^6q + p^2q^3 + q)b$ + $(6p^5q^2 + 7p^3q^6 + 4pq^4)c$ + $(p^6q^4 + 6p^4q^2 + p^2)d$
64	$(6p^6q^2 + p^2q^4 + q^2)a$ + $(3p^5q^2 + 7p^3q^6 + p^3 + 5pq^4)b$ + $(p^6q^5 + 6p^4q^3 + p^2q)c + 8pqd$	$(p^6q^5 + 6p^4q^3 + p^2q)a + 8pqb$ + $(6p^6q^2 + p^2q^4 + q^2)c$ + $(3p^5q^2 + 7p^3q^6 + p^3 + 5pq^4)d$
65	$8pq^2a + (7p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ + $(3p^5q^3 + 8p^3q + 5pq^5)c$ + $(p^6q^5 + 6p^4q^3)d$	$(3p^5q^3 + 8p^3q + 5pq^5)a$ + $(p^6q^5 + 6p^4q^3)b + 8pq^2c$ + $(7p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
66	$(p^6q^6 + 6p^4q^4)a$ + $(7p^5q^6 + p^5 + 6p^3q^4)b$ + $(8p^4q + 6p^2q^5 + q^3)c$ + $(8p^3q + 6pq^5)d$	$(8p^4q + 6p^2q^5 + q^3)a$ + $(8p^3q + 6pq^5)b$ + $(p^6q^6 + 6p^4q^4)c$ + $(7p^5q^6 + p^5 + 6p^3q^4)d$
67	$(8p^3q^2 + 6pq^6)a$ + $(8p^6q^6 + p^6 + 3p^4q^4)b$ + $(8p^5q + 6p^3q^5)c$ + $(7p^4q + 3p^2q^5 + q^3)d$	$(8p^5q + 6p^3q^5)a$ + $(7p^4q + 3p^2q^5 + q^3)b$ + $(8p^3q^2 + 6pq^6)c$ + $(8p^6q^6 + p^6 + 3p^4q^4)d$
68	$(7p^4q^2 + 3p^2q^6 + q^4)a$ + $(3p^5q^4 + 8p^3q^2 + 5pq^6 + p)b$ + $3p^4q^5c + (6p^5q + pq^3)d$	$3p^4q^5a + (6p^5q + pq^3)b$ + $(7p^4q^2 + 3p^2q^6 + q^4)c$ + $(3p^5q^4 + 8p^3q^2 + 5pq^6 + p)d$
69	$(6p^5q^2 + pq^4)a$ + $(3p^6q^4 + 6p^4q^2 + 8p^2q^6 + p^2 + q^4)b$ + $(3p^5q^5 + 8p^3q^3 + 6pq)c$ + $(6p^6q + 3p^4q^5 + p^2q^3)d$	$(3p^5q^5 + 8p^3q^3 + 6pq)a$ + $(6p^6q + 3p^4q^5 + p^2q^3)b$ + $(6p^5q^2 + pq^4)c$ + $(3p^6q^4 + 6p^4q^2 + 8p^2q^6 + p^2 + q^4)d$
70	$(6p^6q^2 + 3p^4q^6 + p^2q^4)a$ + $(3p^5q^2 + 8p^3q^6 + p^3 + 5pq^4)b$ + $(3p^6q^5 + 6p^4q^3 + q^5)c$ + $(6p^5q^5 + 3pq)d$	$(3p^6q^5 + 6p^4q^3 + q^5)a$ + $(6p^5q^5 + 3pq)b$ + $(6p^6q^2 + 3p^4q^6 + p^2q^4)c$ + $(3p^5q^2 + 8p^3q^6 + p^3 + 5pq^4)d$
71	$(6p^5q^6 + 3pq^2)a$ + $(2p^4q^6 + p^4 + 6p^2q^4)b$ + $(3p^5q^3 + 5pq^5)c$ + $(6p^4q^3 + 3p^2q + q^5)d$	$(3p^5q^3 + 5pq^5)a$ + $(6p^4q^3 + 3p^2q + q^5)b$ + $(6p^5q^6 + 3pq^2)c$ + $(2p^4q^6 + p^4 + 6p^2q^4)d$
72	$(6p^4q^4 + 3p^2q^2 + q^6)a$ + $(8p^5q^6 + p^5 + 6p^3q^4 + 3pq^2)b$ + $(3p^4q + 6p^2q^5)c + (3p^3q + 6pq^5)d$	$(3p^4q + 6p^2q^5)a + (3p^3q + 6pq^5)b$ + $(6p^4q^4 + 3p^2q^2 + q^6)c$ + $(8p^5q^6 + p^5 + 6p^3q^4 + 3pq^2)d$

73	$(3p^3q^2 + 6pq^6)a$ + $(8p^6q^6 + p^6 + 3p^4q^4 + 6p^2q^2 + q^6)b$ + $(6p^3q^5 + 3pq^3)c$ + $(6p^4q + 3p^2q^5)d$	$(6p^3q^5 + 3pq^3)a$ + $(6p^4q + 3p^2q^5)b$ + $(3p^3q^2 + 6pq^6)c$ + $(8p^6q^6 + p^6 + 3p^4q^4 + 6p^2q^2 + q^6)d$
74	$(6p^4q^2 + 3p^2q^6)a$ + $(3p^5q^4 + 6pq^6 + p)b$ + $(3p^4q^5 + 6p^2q^3 + q)c$ + $(6p^5q + 3pq^3)d$	$(3p^4q^5 + 6p^2q^3 + q)a$ + $(6p^5q + 3pq^3)b$ + $(6p^4q^2 + 3p^2q^6)c$ + $(3p^5q^4 + 6pq^6 + p)d$
75	$(6p^5q^2 + 3pq^4)a$ + $(3p^6q^4 + 6p^4q^2 + p^2)b$ + $(3p^5q^5 + 7pq)c$ + $(6p^6q + 3p^4q^5 + q)d$	$(3p^5q^5 + 7pq)a$ + $(6p^6q + 3p^4q^5 + q)b$ + $(6p^5q^2 + 3pq^4)c$ + $(3p^6q^4 + 6p^4q^2 + p^2)d$
76	$(6p^6q^2 + 3p^4q^6 + q^2)a$ + $(3p^5q^2 + p^3 + 6pq^4)b$ + $(3p^6q^5 + 6p^4q^3 + p^2q)c$ + $(6p^5q^5 + 5pq)d$	$(3p^6q^5 + 6p^4q^3 + p^2q)a$ + $(6p^5q^5 + 5pq)b$ + $(6p^6q^2 + 3p^4q^6 + q^2)c$ + $(3p^5q^2 + p^3 + 6pq^4)d$
77	$(6p^5q^6 + 5pq^2)a$ + $(3p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ + $(3p^5q^3 + p^3q + 6pq^5)c$ + $(6p^4q^3 + 6p^2q)d$	$(3p^5q^3 + p^3q + 6pq^5)a$ + $(6p^4q^3 + 6p^2q)b$ + $(6p^5q^6 + 5pq^2)c$ + $(3p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
78	$(6p^4q^4 + 6p^2q^2)a$ + $(p^5 + 6p^3q^4 + 6pq^2)b$ + $(4p^4q + 6p^2q^5 + q^3)c$ + $(7p^3q + 6pq^5)d$	$(4p^4q + 6p^2q^5 + q^3)a$ + $(7p^3q + 6pq^5)b$ + $(6p^4q^4 + 6p^2q^2)c$ + $(p^5 + 6p^3q^4 + 6pq^2)d$
79	$(7p^3q^2 + 6pq^6)a$ + $(p^6 + 3p^4q^4 + 3p^2q^2)b$ + $(p^5q + 6p^3q^5 + 6pq^3)c$ + $(2p^4q + 3p^2q^5 + q^3)d$	$(p^5q + 6p^3q^5 + 6pq^3)a$ + $(2p^4q + 3p^2q^5 + q^3)b$ + $(7p^3q^2 + 6pq^6)c$ + $(p^6 + 3p^4q^4 + 3p^2q^2)d$
80	$(2p^4q^2 + 3p^2q^6 + q^4)a$ + $(3p^5q^4 + p^3q^2 + 6pq^6 + p)b$ + $(p^6q + 3p^4q^5 + 3p^2q^3)c$ + $(3p^5q + 7pq^3)d$	$(p^6q + 3p^4q^5 + 3p^2q^3)a$ + $(3p^5q + 7pq^3)b$ + $(2p^4q^2 + 3p^2q^6 + q^4)c$ + $(3p^5q^4 + p^3q^2 + 6pq^6 + p)d$
81	$(3p^5q^2 + 7pq^4)a$ + $(3p^6q^4 + 3p^4q^2 + p^2 + q^4)b$ + $(3p^5q^5 + p^3q^3 + 7pq)c$ + $(4p^6q + 3p^4q^5 + p^2q^3)d$	$(3p^5q^5 + p^3q^3 + 7pq)a$ + $(4p^6q + 3p^4q^5 + p^2q^3)b$ + $(3p^5q^2 + 7pq^4)c$ + $(3p^6q^4 + 3p^4q^2 + p^2 + q^4)d$
82	$(4p^6q^2 + 3p^4q^6 + p^2q^4)a$ + $(6p^5q^2 + p^3 + 2pq^4)b$ + $(3p^6q^5 + 3p^4q^3 + p^2q + q^5)c$ + $(6p^5q^5 + 2p^3q^3 + 2pq)d$	$(3p^6q^5 + 3p^4q^3 + p^2q + q^5)a$ + $(6p^5q^5 + 2p^3q^3 + 2pq)b$ + $(4p^6q^2 + 3p^4q^6 + p^2q^4)c$ + $(6p^5q^2 + p^3 + 2pq^4)d$

83	$(6p^5q^6 + 2p^3q^4 + 2pq^2)a$ $+(p^6q^2 + 3p^4q^6 + p^4 + 3p^2q^4)b$ $+(6p^5q^3 + p^3q + 2pq^5)c$ $+(5p^4q^3 + 3p^2q + q^5)d$	$(6p^5q^3 + p^3q + 2pq^5)a$ $+(5p^4q^3 + 3p^2q + q^5)b$ $+(6p^5q^6 + 2p^3q^4 + 2pq^2)c$ $+(p^6q^2 + 3p^4q^6 + p^4 + 3p^2q^4)d$
84	$(5p^4q^4 + 3p^2q^2 + q^6)a$ $+(p^5 + 5p^3q^4 + 3pq^2)b$ $+(p^6q^3 + 4p^4q + 3p^2q^5)c$ $+(2p^5q^3 + 4p^3q + 3pq^5)d$	$(p^6q^3 + 4p^4q + 3p^2q^5)a$ $+(2p^5q^3 + 4p^3q + 3pq^5)b$ $+(5p^4q^4 + 3p^2q^2 + q^6)c$ $+(p^5 + 5p^3q^4 + 3pq^2)d$
85	$(2p^5q^4 + 4p^3q^2 + 3pq^6)a$ $+(p^6 + p^4q^4 + 6p^2q^2 + q^6)b$ $+(p^5q + 5p^3q^5 + 3pq^3)c$ $+(3p^6q^3 + 8p^4q + 6p^2q^5)d$	$(p^5q + 5p^3q^5 + 3pq^3)a$ $+(3p^6q^3 + 8p^4q + 6p^2q^5)b$ $+(2p^5q^4 + 4p^3q^2 + 3pq^6)c$ $+(p^6 + p^4q^4 + 6p^2q^2 + q^6)d$
86	$(3p^6q^4 + 8p^4q^2 + 6p^2q^6)a$ $+(3p^5q^4 + p^3q^2 + 4pq^6 + p)b$ $+(p^6q + p^4q^5 + 6p^2q^3 + q)c$ $+(2p^3q^5 + 6pq^3)d$	$(p^6q + p^4q^5 + 6p^2q^3 + q)a$ $+(2p^3q^5 + 6pq^3)b$ $+(3p^6q^4 + 8p^4q^2 + 6p^2q^6)c$ $+(3p^5q^4 + p^3q^2 + 4pq^6 + p)d$
87	$(2p^3q^6 + 6pq^4)a$ $+(6p^6q^4 + p^2q^6 + p^2)b$ $+(3p^5q^5 + p^3q^3 + 5pq)c$ $+(p^6q + 3p^4q^5 + 3p^2q^3 + q)d$	$(3p^5q^5 + p^3q^3 + 5pq)a$ $+(p^6q + 3p^4q^5 + 3p^2q^3 + q)b$ $+(2p^3q^6 + 6pq^4)c$ $+(6p^6q^4 + p^2q^6 + p^2)d$
88	$(p^6q^2 + 3p^4q^6 + 3p^2q^4 + q^2)a$ $+(3p^3q^6 + p^3 + 3pq^4)b$ $+(6p^6q^5 + 2p^2q)c$ $+(6p^5q^5 + 4p^3q^3 + 7pq)d$	$(6p^6q^5 + 2p^2q)a$ $+(6p^5q^5 + 4p^3q^3 + 7pq)b$ $+(p^6q^2 + 3p^4q^6 + 3p^2q^4 + q^2)c$ $+(3p^3q^6 + p^3 + 3pq^4)d$
89	$(6p^5q^6 + 4p^3q^4 + 7pq^2)a$ $+(p^6q^2 + 6p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ $+(4p^3q + 3pq^5)c$ $+(3p^6q^5 + 4p^4q^3)d$	$(4p^3q + 3pq^5)a$ $+(3p^6q^5 + 4p^4q^3)b$ $+(6p^5q^6 + 4p^3q^4 + 7pq^2)c$ $+(p^6q^2 + 6p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
90	$(3p^6q^6 + 4p^4q^4)a$ $+(3p^5q^6 + p^5 + p^3q^4)b$ $+(p^6q^3 + 7p^4q + 6p^2q^5 + q^3)c$ $+(4p^5q^3 + 4p^3q + 6pq^5)d$	$(p^6q^3 + 7p^4q + 6p^2q^5 + q^3)a$ $+(4p^5q^3 + 4p^3q + 6pq^5)b$ $+(3p^6q^6 + 4p^4q^4)c$ $+(3p^5q^6 + p^5 + p^3q^4)d$
91	$(4p^5q^4 + 4p^3q^2 + 6pq^6)a$ $+(6p^6q^6 + p^6 + 5p^4q^4)b$ $+(4p^5q + p^3q^5)c$ $+(5p^6q^3 + 2p^4q + 3p^2q^5 + q^3)d$	$(4p^5q + p^3q^5)a$ $+(5p^6q^3 + 2p^4q + 3p^2q^5 + q^3)b$ $+(4p^5q^4 + 4p^3q^2 + 6pq^6)c$ $+(6p^6q^6 + p^6 + 5p^4q^4)d$
92	$(5p^6q^4 + 2p^4q^2 + 3p^2q^6 + q^4)a$ $+(4p^3q^2 + 3pq^6 + p)b$ $+(7p^6q + 5p^4q^5)c$ $+(6p^5q + 4p^3q^5 + 6pq^3)d$	$(7p^6q + 5p^4q^5)a$ $+(6p^5q + 4p^3q^5 + 6pq^3)b$ $+(5p^6q^4 + 2p^4q^2 + 3p^2q^6 + q^4)c$ $+(4p^3q^2 + 3pq^6 + p)d$

93	$(6p^5q^2 + 4p^3q^6 + 6pq^4)a$ + $(5p^6q^4 + 6p^4q^2 + 6p^2q^6 + p^2 + q^4)b$ + $(4p^3q^3 + 4pq)c$ + $(4p^6q + 6p^2q^3)d$	$(4p^3q^3 + 4pq)a$ + $(4p^6q + 6p^2q^3)b$ + $(6p^5q^2 + 4p^3q^6 + 6pq^4)c$ + $(5p^6q^4 + 6p^4q^2 + 6p^2q^6 + p^2 + q^4)d$
94	$(4p^6q^2 + 6p^2q^4)a$ + $(3p^5q^2 + p^3q^6 + p^3 + 3pq^4)b$ + $(5p^6q^5 + 6p^4q^3 + 7p^2q + q^5)c$ + $(p^3q^3 + 8pq)d$	$(5p^6q^5 + 6p^4q^3 + 7p^2q + q^5)a$ + $(p^3q^3 + 8pq)b$ + $(4p^6q^2 + 6p^2q^4)c$ + $(3p^5q^2 + p^3q^6 + p^3 + 3pq^4)d$
95	$(p^3q^4 + 8pq^2)a$ + $(7p^6q^2 + p^4q^6 + p^4)b$ + $(3p^5q^3 + 2p^3q + 3pq^5)c$ + $(5p^6q^5 + 7p^4q^3 + 6p^2q + q^5)d$	$(3p^5q^3 + 2p^3q + 3pq^5)a$ + $(5p^6q^5 + 7p^4q^3 + 6p^2q + q^5)b$ + $(p^3q^4 + 8pq^2)c$ + $(7p^6q^2 + p^4q^6 + p^4)d$
96	$(5p^6q^6 + 7p^4q^4 + 6p^2q^2 + q^6)a$ + $(p^5q^6 + p^5 + p^3q^4 + 6pq^2)b$ + $(7p^6q^3 + 2p^4q)c$ + $(p^5q^3 + 8p^3q)d$	$(7p^6q^3 + 2p^4q)a$ + $(p^5q^3 + 8p^3q)b$ + $(5p^6q^6 + 7p^4q^4 + 6p^2q^2 + q^6)c$ + $(p^5q^6 + p^5 + p^3q^4 + 6pq^2)d$
97	$(p^5q^4 + 8p^3q^2)a$ + $(6p^6q^6 + p^6 + 8p^4q^4 + 3p^2q^2 + q^6)b$ + $(2p^5q + p^3q^5 + 6pq^3)c$ + $(8p^6q^3 + p^4q)d$	$(2p^5q + p^3q^5 + 6pq^3)a$ + $(8p^6q^3 + p^4q)b$ + $(p^5q^4 + 8p^3q^2)c$ + $(6p^6q^6 + p^6 + 8p^4q^4 + 3p^2q^2 + q^6)d$
98	$(8p^6q^4 + p^4q^2)a$ + $(2p^3q^2 + 7pq^6 + p)b$ + $(7p^6q + 8p^4q^5 + 3p^2q^3 + q)c$ + $(3p^5q + p^3q^5 + 5pq^3)d$	$(7p^6q + 8p^4q^5 + 3p^2q^3 + q)a$ + $(3p^5q + p^3q^5 + 5pq^3)b$ + $(8p^6q^4 + p^4q^2)c$ + $(2p^3q^2 + 7pq^6 + p)d$
99	$(3p^5q^2 + p^3q^6 + 5pq^4)a$ + $(8p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2)b$ + $(2p^3q^3 + 8pq)c$ + $(p^6q + 8p^2q^3 + q)d$	$(2p^3q^3 + 8pq)a$ + $(p^6q + 8p^2q^3 + q)b$ + $(3p^5q^2 + p^3q^6 + 5pq^4)c$ + $(8p^6q^4 + 3p^4q^2 + 7p^2q^6 + p^2)d$
100	$(p^6q^2 + 8p^2q^4 + q^2)a$ + $(6p^5q^2 + 8p^3q^6 + p^3 + 4pq^4)b$ + $(8p^6q^5 + 3p^4q^3 + 8p^2q)c$ + $(p^3q^3 + pq)d$	$(8p^6q^5 + 3p^4q^3 + 8p^2q)a$ + $(p^3q^3 + pq)b$ + $(p^6q^2 + 8p^2q^4 + q^2)c$ + $(6p^5q^2 + 8p^3q^6 + p^3 + 4pq^4)d$
101	$(p^3q^4 + pq^2)a$ + $(7p^6q^2 + 8p^4q^6 + p^4 + 3p^2q^4 + q^2)b$ + $(6p^5q^3 + 4pq^5)c$ + $(8p^6q^5 + 4p^4q^3)d$	$(6p^5q^3 + 4pq^5)a$ + $(8p^6q^5 + 4p^4q^3)b$ + $(p^3q^4 + pq^2)c$ + $(7p^6q^2 + 8p^4q^6 + p^4 + 3p^2q^4 + q^2)d$
102	$(8p^6q^6 + 4p^4q^4)a$ + $(8p^5q^6 + p^5 + 4p^3q^4)b$ + $(7p^6q^3 + 3p^2q^5 + q^3)c$ + $(p^5q^3 + 3pq^5)d$	$(7p^6q^3 + 3p^2q^5 + q^3)a$ + $(p^5q^3 + 3pq^5)b$ + $(8p^6q^6 + 4p^4q^4)c$ + $(8p^5q^6 + p^5 + 4p^3q^4)d$

103	$(p^5q^4 + 3pq^6)a$ + $(7p^6q^6 + p^6 + 8p^4q^4)b$ + $4p^3q^5c + (8p^6q^3 + 6p^2q^5 + q^3)d$	$4p^3q^5a + (8p^6q^3 + 6p^2q^5 + q^3)b$ + $(p^5q^4 + 3pq^6)c$ + $(7p^6q^6 + p^6 + 8p^4q^4)d$
104	$(8p^6q^4 + 6p^2q^6 + q^4)a + (pq^6 + p)b$ + $(8p^6q + 8p^4q^5)c + p^3q^5d$	$(8p^6q + 8p^4q^5)a + p^3q^5b$ + $(8p^6q^4 + 6p^2q^6 + q^4)c + (pq^6 + p)d$
105	$p^3q^6a + (8p^6q^4 + 7p^2q^6 + p^2 + q^4)b$ + $2pqc + 8p^6qd$	$2pqa + 8p^6qb$ + $p^3q^6c + (8p^6q^4 + 7p^2q^6 + p^2 + q^4)d$
106	$8p^6q^2a + (8p^3q^6 + p^3)b$ + $(8p^6q^5 + 8p^2q + q^5)c + pqd$	$(8p^6q^5 + 8p^2q + q^5)a + pqb$ + $8p^6q^2c + (8p^3q^6 + p^3)d$
107	$pq^2a + (8p^6q^2 + 8p^4q^6 + p^4)b$ + $(8p^6q^5 + q^5)d$	$(8p^6q^5 + q^5)b$ + $pq^2c + (8p^6q^2 + 8p^4q^6 + p^4)d$
108	$(8p^6q^6 + q^6)a + (8p^5q^6 + p^5)b$ + $8p^6q^3c$	$8p^6q^3a$ + $(8p^6q^6 + q^6)c + (8p^5q^6 + p^5)d$
109	$(7p^6q^6 + p^6 + q^6)b + 8p^6q^3d$	$8p^6q^3b + (7p^6q^6 + p^6 + q^6)d$
110	$8p^6q^4a + (8pq^6 + p)b$ + $(8p^6q + q)c + 8pq^3d$	$(8p^6q + q)a + 8pq^3b$ + $8p^6q^4c + (8pq^6 + p)d$
111	$8pq^4a + (8p^6q^4 + 8p^2q^6 + p^2)b$ + $(8p^6q + 8p^2q^3 + q)d$	$(8p^6q + 8p^2q^3 + q)b$ + $8pq^4c + (8p^6q^4 + 8p^2q^6 + p^2)d$
112	$(8p^6q^2 + 8p^2q^4 + q^2)a$ + $(8p^3q^6 + p^3 + 7pq^4)b$ + $8p^6q^5c + 8p^3q^3d$	$8p^6q^5a + 8p^3q^3b$ + $(8p^6q^2 + 8p^2q^4 + q^2)c$ + $(8p^3q^6 + p^3 + 7pq^4)d$
113	$8p^3q^4a$ + $(8p^6q^2 + 8p^4q^6 + p^4 + 6p^2q^4 + q^2)b$ + $7pq^5c + (8p^6q^5 + 8p^4q^3)d$	$7pq^5a + (8p^6q^5 + 8p^4q^3)b$ + $8p^3q^4c$ + $(8p^6q^2 + 8p^4q^6 + p^4 + 6p^2q^4 + q^2)d$
114	$(8p^6q^6 + 8p^4q^4)a$ + $(8p^5q^6 + p^5 + 5p^3q^4)b$ + $(8p^6q^3 + 6p^2q^5 + q^3)c$ + $(8p^5q^3 + 6pq^5)d$	$(8p^6q^3 + 6p^2q^5 + q^3)a$ + $(8p^5q^3 + 6pq^5)b$ + $(8p^6q^6 + 8p^4q^4)c$ + $(8p^5q^6 + p^5 + 5p^3q^4)d$
115	$(8p^5q^4 + 6pq^6)a$ + $(7p^6q^6 + p^6 + 4p^4q^4)b + 5p^3q^5c$ + $(7p^6q^3 + 3p^2q^5 + q^3)d$	$5p^3q^5a + (7p^6q^3 + 3p^2q^5 + q^3)b$ + $(8p^5q^4 + 6pq^6)c$ + $(7p^6q^6 + p^6 + 4p^4q^4)d$
116	$(7p^6q^4 + 3p^2q^6 + q^4)a$ + $(3p^5q^4 + 4pq^6 + p)b$ + $(8p^6q + 4p^4q^5)c$ + $(8p^3q^5 + 8pq^3)d$	$(8p^6q + 4p^4q^5)a$ + $(8p^3q^5 + 8pq^3)b$ + $(7p^6q^4 + 3p^2q^6 + q^4)c$ + $(3p^5q^4 + 4pq^6 + p)d$
117	$(8p^3q^6 + 8pq^4)a$ + $(p^6q^4 + 7p^2q^6 + p^2 + q^4)b$ + $(3p^5q^5 + 5pq)c$ + $(8p^6q + 3p^4q^5 + 8p^2q^3)d$	$(3p^5q^5 + 5pq)a$ + $(8p^6q + 3p^4q^5 + 8p^2q^3)b$ + $(8p^3q^6 + 8pq^4)c$ + $(p^6q^4 + 7p^2q^6 + p^2 + q^4)d$

118	$(8p^6q^2 + 3p^4q^6 + 8p^2q^4)a$ + $(6p^3q^6 + p^3 + pq^4)b$ + $(p^6q^5 + 8p^2q + q^5)c$ + $(6p^5q^5 + 8p^3q^3 + 4pq)d$	$(p^6q^5 + 8p^2q + q^5)a$ + $(6p^5q^5 + 8p^3q^3 + 4pq)b$ + $(8p^6q^2 + 3p^4q^6 + 8p^2q^4)c$ + $(6p^3q^6 + p^3 + pq^4)d$
119	$(6p^5q^6 + 8p^3q^4 + 4pq^2)a$ + $(8p^6q^2 + p^4)b$ + $(7p^3q + pq^5)c$ + $(7p^6q^5 + 8p^4q^3 + 3p^2q + q^5)d$	$(7p^3q + pq^5)a$ + $(7p^6q^5 + 8p^4q^3 + 3p^2q + q^5)b$ + $(6p^5q^6 + 8p^3q^4 + 4pq^2)c$ + $(8p^6q^2 + p^4)d$
120	$(7p^6q^6 + 8p^4q^4 + 3p^2q^2 + q^6)a$ + $(6p^5q^6 + p^5 + 8p^3q^4 + 3pq^2)b$ + $(8p^6q^3 + p^4q)c$ + $(8p^5q^3 + p^3q)d$	$(8p^6q^3 + p^4q)a$ + $(8p^5q^3 + p^3q)b$ + $(7p^6q^6 + 8p^4q^4 + 3p^2q^2 + q^6)c$ + $(6p^5q^6 + p^5 + 8p^3q^4 + 3pq^2)d$
121	$(8p^5q^4 + p^3q^2)a$ + $(4p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2 + q^6)b$ + $(7p^5q + 8p^3q^5 + 3pq^3)c$ + $(7p^6q^3 + 2p^4q)d$	$(7p^5q + 8p^3q^5 + 3pq^3)a$ + $(7p^6q^3 + 2p^4q)b$ + $(8p^5q^4 + p^3q^2)c$ + $(4p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2 + q^6)d$
122	$(7p^6q^4 + 2p^4q^2)a$ + $(6p^5q^4 + 7p^3q^2 + 5pq^6 + p)b$ + $(5p^6q + 7p^4q^5 + 6p^2q^3 + q)c$ + $(8p^3q^5 + pq^3)d$	$(5p^6q + 7p^4q^5 + 6p^2q^3 + q)a$ + $(8p^3q^5 + pq^3)b$ + $(7p^6q^4 + 2p^4q^2)c$ + $(6p^5q^4 + 7p^3q^2 + 5pq^6 + p)d$
123	$(8p^3q^6 + pq^4)a$ + $(4p^6q^4 + 5p^2q^6 + p^2)b$ + $(6p^5q^5 + 7p^3q^3 + 6pq)c$ + $(5p^6q + 6p^4q^5 + 7p^2q^3 + q)d$	$(6p^5q^5 + 7p^3q^3 + 6pq)a$ + $(5p^6q + 6p^4q^5 + 7p^2q^3 + q)b$ + $(8p^3q^6 + pq^4)c$ + $(4p^6q^4 + 5p^2q^6 + p^2)d$
124	$(5p^6q^2 + 6p^4q^6 + 7p^2q^4 + q^2)a$ + $(4p^3q^6 + p^3 + 5pq^4)b$ + $(4p^6q^5 + 6p^2q)c$ + $(3p^5q^5 + 5p^3q^3 + 3pq)d$	$(4p^6q^5 + 6p^2q)a$ + $(3p^5q^5 + 5p^3q^3 + 3pq)b$ + $(5p^6q^2 + 6p^4q^6 + 7p^2q^4 + q^2)c$ + $(4p^3q^6 + p^3 + 5pq^4)d$
125	$(3p^5q^6 + 5p^3q^4 + 3pq^2)a$ + $(5p^6q^2 + p^4q^6 + p^4 + 3p^2q^4 + q^2)b$ + $(5p^3q + 5pq^5)c$ + $(7p^6q^5 + 5p^4q^3)d$	$(5p^3q + 5pq^5)a$ + $(7p^6q^5 + 5p^4q^3)b$ + $(3p^5q^6 + 5p^3q^4 + 3pq^2)c$ + $(5p^6q^2 + p^4q^6 + p^4 + 3p^2q^4 + q^2)d$
126	$(7p^6q^6 + 5p^4q^4)a$ + $(4p^5q^6 + p^5 + 8p^3q^4)b$ + $(5p^6q^3 + 2p^4q + 3p^2q^5 + q^3)c$ + $(5p^5q^3 + 5p^3q + 3pq^5)d$	$(5p^6q^3 + 2p^4q + 3p^2q^5 + q^3)a$ + $(5p^5q^3 + 5p^3q + 3pq^5)b$ + $(7p^6q^6 + 5p^4q^4)c$ + $(4p^5q^6 + p^5 + 8p^3q^4)d$

127	$(5p^5q^4 + 5p^3q^2 + 3pq^6)a$ + $(2p^6q^6 + p^6 + 4p^4q^4)b$ + $(5p^5q + 8p^3q^5)c$ + $(p^6q^3 + 7p^4q + 6p^2q^5 + q^3)d$	$(5p^5q + 8p^3q^5)a$ + $(p^6q^3 + 7p^4q + 6p^2q^5 + q^3)b$ + $(5p^5q^4 + 5p^3q^2 + 3pq^6)c$ + $(2p^6q^6 + p^6 + 4p^4q^4)d$
128	$(p^6q^4 + 7p^4q^2 + 6p^2q^6 + q^4)a$ + $(5p^3q^2 + 5pq^6 + p)b$ + $(3p^6q + 4p^4q^5)c$ + $(3p^5q + 5p^3q^5 + 2pq^3)d$	$(3p^6q + 4p^4q^5)a$ + $(3p^5q + 5p^3q^5 + 2pq^3)b$ + $(p^6q^4 + 7p^4q^2 + 6p^2q^6 + q^4)c$ + $(5p^3q^2 + 5pq^6 + p)d$
129	$(3p^5q^2 + 5p^3q^6 + 2pq^4)a$ + $(p^6q^4 + 3p^4q^2 + 2p^2q^6 + p^2 + q^4)b$ + $(5p^3q^3 + 6pq)c$ + $(6p^6q + 2p^2q^3)d$	$(5p^3q^3 + 6pq)a$ + $(6p^6q + 2p^2q^3)b$ + $(3p^5q^2 + 5p^3q^6 + 2pq^4)c$ + $(p^6q^4 + 3p^4q^2 + 2p^2q^6 + p^2 + q^4)d$
130	$(6p^6q^2 + 2p^2q^4)a$ + $(6p^5q^2 + 7p^3q^6 + p^3 + 4pq^4)b$ + $(p^6q^5 + 3p^4q^3 + 3p^2q + q^5)c$ + $(7p^3q^3 + 3pq)d$	$(p^6q^5 + 3p^4q^3 + 3p^2q + q^5)a$ + $(7p^3q^3 + 3pq)b$ + $(6p^6q^2 + 2p^2q^4)c$ + $(6p^5q^2 + 7p^3q^6 + p^3 + 4pq^4)d$
131	$(7p^3q^4 + 3pq^2)a$ + $(3p^6q^2 + 7p^4q^6 + p^4 + 6p^2q^4)b$ + $(6p^5q^3 + 8p^3q + 4pq^5)c$ + $(p^6q^5 + p^4q^3 + 6p^2q + q^5)d$	$(6p^5q^3 + 8p^3q + 4pq^5)a$ + $(p^6q^5 + p^4q^3 + 6p^2q + q^5)b$ + $(7p^3q^4 + 3pq^2)c$ + $(3p^6q^2 + 7p^4q^6 + p^4 + 6p^2q^4)d$
132	$(p^6q^6 + p^4q^4 + 6p^2q^2 + q^6)a$ + $(7p^5q^6 + p^5 + 4p^3q^4 + 6pq^2)b$ + $(3p^6q^3 + 8p^4q + 6p^2q^5)c$ + $(7p^5q^3 + 5p^3q + 6pq^5)d$	$(3p^6q^3 + 8p^4q + 6p^2q^5)a$ + $(7p^5q^3 + 5p^3q + 6pq^5)b$ + $(p^6q^6 + p^4q^4 + 6p^2q^2 + q^6)c$ + $(7p^5q^6 + p^5 + 4p^3q^4 + 6pq^2)d$
133	$(7p^5q^4 + 5p^3q^2 + 6pq^6)a$ + $(8p^6q^6 + p^6 + 5p^4q^4 + 3p^2q^2 + q^6)b$ + $(8p^5q + 4p^3q^5 + 6pq^3)c$ + $(p^6q^3 + 4p^4q + 3p^2q^5)d$	$(8p^5q + 4p^3q^5 + 6pq^3)a$ + $(p^6q^3 + 4p^4q + 3p^2q^5)b$ + $(7p^5q^4 + 5p^3q^2 + 6pq^6)c$ + $(8p^6q^6 + p^6 + 5p^4q^4 + 3p^2q^2 + q^6)d$
134	$(p^6q^4 + 4p^4q^2 + 3p^2q^6)a$ + $(3p^5q^4 + 8p^3q^2 + 6pq^6 + p)b$ + $(5p^4q^5 + 3p^2q^3 + q)c$ + $(3p^5q + 7p^3q^5 + 7pq^3)d$	$(5p^4q^5 + 3p^2q^3 + q)a$ + $(3p^5q + 7p^3q^5 + 7pq^3)b$ + $(p^6q^4 + 4p^4q^2 + 3p^2q^6)c$ + $(3p^5q^4 + 8p^3q^2 + 6pq^6 + p)d$
135	$(3p^5q^2 + 7p^3q^6 + 7pq^4)a$ + $(4p^6q^4 + 3p^4q^2 + p^2)b$ + $(3p^5q^5 + 8p^3q^3 + 7pq)c$ + $(3p^6q + 3p^4q^5 + p^2q^3 + q)d$	$(3p^5q^5 + 8p^3q^3 + 7pq)a$ + $(3p^6q + 3p^4q^5 + p^2q^3 + q)b$ + $(3p^5q^2 + 7p^3q^6 + 7pq^4)c$ + $(4p^6q^4 + 3p^4q^2 + p^2)d$
136	$(3p^6q^2 + 3p^4q^6 + p^2q^4 + q^2)a$ + $(6p^5q^2 + 7p^3q^6 + p^3 + 2pq^4)b$ + $(4p^6q^5 + 3p^4q^3 + p^2q)c$ + $(6p^5q^5 + 2pq)d$	$(4p^6q^5 + 3p^4q^3 + p^2q)a$ + $(6p^5q^5 + 2pq)b$ + $(3p^6q^2 + 3p^4q^6 + p^2q^4 + q^2)c$ + $(6p^5q^2 + 7p^3q^6 + p^3 + 2pq^4)d$

137	$(6p^5q^6 + 2pq^2)a$ + $(p^4q^6 + p^4 + 3p^2q^4 + q^2)b$ + $(6p^5q^3 + 8p^3q + 2pq^5)c$ + $(p^6q^5 + 3p^4q^3 + 3p^2q)d$	$(6p^5q^3 + 8p^3q + 2pq^5)a$ + $(p^6q^5 + 3p^4q^3 + 3p^2q)b$ + $(6p^5q^6 + 2pq^2)c$ + $(p^4q^6 + p^4 + 3p^2q^4 + q^2)d$
138	$(p^6q^6 + 3p^4q^4 + 3p^2q^2)a$ + $(7p^5q^6 + p^5 + 3p^3q^4 + 3pq^2)b$ + $(2p^4q + 3p^2q^5 + q^3)c$ + $(2p^3q + 3pq^5)d$	$(2p^4q + 3p^2q^5 + q^3)a$ + $(2p^3q + 3pq^5)b$ + $(p^6q^6 + 3p^4q^4 + 3p^2q^2)c$ + $(7p^5q^6 + p^5 + 3p^3q^4 + 3pq^2)d$
139	$(2p^3q^2 + 3pq^6)a$ + $(8p^6q^6 + p^6 + 6p^4q^4 + 6p^2q^2)b$ + $(8p^5q + 3p^3q^5 + 3pq^3)c$ + $(4p^4q + 6p^2q^5 + q^3)d$	$(8p^5q + 3p^3q^5 + 3pq^3)a$ + $(4p^4q + 6p^2q^5 + q^3)b$ + $(2p^3q^2 + 3pq^6)c$ + $(8p^6q^6 + p^6 + 6p^4q^4 + 6p^2q^2)d$
140	$(4p^4q^2 + 6p^2q^6 + q^4)a$ + $(6p^5q^4 + 8p^3q^2 + 2pq^6 + p)b$ + $(6p^4q^5 + 6p^2q^3)c$ + $(3p^5q + 4pq^3)d$	$(6p^4q^5 + 6p^2q^3)a$ + $(3p^5q + 4pq^3)b$ + $(4p^4q^2 + 6p^2q^6 + q^4)c$ + $(6p^5q^4 + 8p^3q^2 + 2pq^6 + p)d$
141	$(3p^5q^2 + 4pq^4)a$ + $(6p^6q^4 + 3p^4q^2 + 8p^2q^6 + p^2 + q^4)b$ + $(6p^5q^5 + 8p^3q^3 + 3pq)c$ + $(3p^6q + 6p^4q^5 + p^2q^3)d$	$(6p^5q^5 + 8p^3q^3 + 3pq)a$ + $(3p^6q + 6p^4q^5 + p^2q^3)b$ + $(3p^5q^2 + 4pq^4)c$ + $(6p^6q^4 + 3p^4q^2 + 8p^2q^6 + p^2 + q^4)d$
142	$(3p^6q^2 + 6p^4q^6 + p^2q^4)a$ + $(6p^5q^2 + 8p^3q^6 + p^3 + 2pq^4)b$ + $(6p^6q^5 + 3p^4q^3 + q^5)c$ + $(3p^5q^5 + 6pq)d$	$(6p^6q^5 + 3p^4q^3 + q^5)a$ + $(3p^5q^5 + 6pq)b$ + $(3p^6q^2 + 6p^4q^6 + p^2q^4)c$ + $(6p^5q^2 + 8p^3q^6 + p^3 + 2pq^4)d$
143	$(3p^5q^6 + 6pq^2)a$ + $(5p^4q^6 + p^4 + 3p^2q^4)b$ + $(6p^5q^3 + 2pq^5)c$ + $(3p^4q^3 + 6p^2q + q^5)d$	$(6p^5q^3 + 2pq^5)a$ + $(3p^4q^3 + 6p^2q + q^5)b$ + $(3p^5q^6 + 6pq^2)c$ + $(5p^4q^6 + p^4 + 3p^2q^4)d$
144	$(3p^4q^4 + 6p^2q^2 + q^6)a$ + $(8p^5q^6 + p^5 + 3p^3q^4 + 6pq^2)b$ + $(6p^4q + 3p^2q^5)c$ + $(6p^3q + 3pq^5)d$	$(6p^4q + 3p^2q^5)a$ + $(6p^3q + 3pq^5)b$ + $(3p^4q^4 + 6p^2q^2 + q^6)c$ + $(8p^5q^6 + p^5 + 3p^3q^4 + 6pq^2)d$
145	$(6p^3q^2 + 3pq^6)a$ + $(8p^6q^6 + p^6 + 6p^4q^4 + 3p^2q^2 + q^6)b$ + $(3p^3q^5 + 6pq^3)c$ + $(3p^4q + 6p^2q^5)d$	$(3p^3q^5 + 6pq^3)a$ + $(3p^4q + 6p^2q^5)b$ + $(6p^3q^2 + 3pq^6)c$ + $(8p^6q^6 + p^6 + 6p^4q^4 + 3p^2q^2 + q^6)d$
146	$(3p^4q^2 + 6p^2q^6)a$ + $(6p^5q^4 + 3pq^6 + p)b$ + $(6p^4q^5 + 3p^2q^3 + q)c$ + $(3p^5q + 6pq^3)d$	$(6p^4q^5 + 3p^2q^3 + q)a$ + $(3p^5q + 6pq^3)b$ + $(3p^4q^2 + 6p^2q^6)c$ + $(6p^5q^4 + 3pq^6 + p)d$

147	$(3p^5q^2 + 6pq^4)a$ $+(6p^6q^4 + 3p^4q^2 + p^2)b$ $+(6p^5q^5 + 4pq)c$ $+(3p^6q + 6p^4q^5 + q)d$	$(6p^5q^5 + 4pq)a$ $+(3p^6q + 6p^4q^5 + q)b$ $+(3p^5q^2 + 6pq^4)c$ $+(6p^6q^4 + 3p^4q^2 + p^2)d$
148	$(3p^6q^2 + 6p^4q^6 + q^2)a$ $+(6p^5q^2 + p^3 + 3pq^4)b$ $+(6p^6q^5 + 3p^4q^3 + p^2q)c$ $+(3p^5q^5 + 8pq)d$	$(6p^6q^5 + 3p^4q^3 + p^2q)a$ $+(3p^5q^5 + 8pq)b$ $+(3p^6q^2 + 6p^4q^6 + q^2)c$ $+(6p^5q^2 + p^3 + 3pq^4)d$
149	$(3p^5q^6 + 8pq^2)a$ $+(6p^4q^6 + p^4 + 3p^2q^4 + q^2)b$ $+(6p^5q^3 + p^3q + 3pq^5)c + 3p^4q^3d$	$(6p^5q^3 + p^3q + 3pq^5)a$ $+3p^4q^3b + (3p^5q^6 + 8pq^2)c$ $+(6p^4q^6 + p^4 + 3p^2q^4 + q^2)d$
150	$3p^4q^4a + (p^5 + 3p^3q^4)b$ $+(7p^4q + 3p^2q^5 + q^3)c$ $+(p^3q + 3pq^5)d$	$(7p^4q + 3p^2q^5 + q^3)a$ $+(p^3q + 3pq^5)b + 3p^4q^4c$ $+(p^5 + 3p^3q^4)d$
151	$(p^3q^2 + 3pq^6)a$ $+(p^6 + 6p^4q^4)b$ $+(p^5q + 3p^3q^5)c$ $+(8p^4q + 6p^2q^5 + q^3)d$	$(p^5q + 3p^3q^5)a$ $+(8p^4q + 6p^2q^5 + q^3)b$ $+(p^3q^2 + 3pq^6)c$ $+(p^6 + 6p^4q^4)d$
152	$(8p^4q^2 + 6p^2q^6 + q^4)a$ $+(6p^5q^4 + p^3q^2 + 3pq^6 + p)b$ $+(p^6q + 6p^4q^5)c + pq^3d$	$(p^6q + 6p^4q^5)a + pq^3b$ $+(8p^4q^2 + 6p^2q^6 + q^4)c$ $+(6p^5q^4 + p^3q^2 + 3pq^6 + p)d$
153	$pq^4a + (6p^6q^4 + p^2 + q^4)b$ $+(6p^5q^5 + p^3q^3 + 4pq)c$ $+(p^6q + 6p^4q^5 + p^2q^3)d$	$(6p^5q^5 + p^3q^3 + 4pq)a$ $+(p^6q + 6p^4q^5 + p^2q^3)b + pq^4c$ $+(6p^6q^4 + p^2 + q^4)d$
154	$(p^6q^2 + 6p^4q^6 + p^2q^4)a$ $+(p^3 + 8pq^4)b$ $+(6p^6q^5 + p^2q + q^5)c$ $+(3p^5q^5 + 2p^3q^3 + 5pq)d$	$(6p^6q^5 + p^2q + q^5)a$ $+(3p^5q^5 + 2p^3q^3 + 5pq)b$ $+(p^6q^2 + 6p^4q^6 + p^2q^4)c$ $+(p^3 + 8pq^4)d$
155	$(3p^5q^6 + 2p^3q^4 + 5pq^2)a$ $+(p^6q^2 + 6p^4q^6 + p^4)b$ $+(p^3q + 8pq^5)c$ $+(2p^4q^3 + 6p^2q + q^5)d$	$(p^3q + 8pq^5)a$ $+(2p^4q^3 + 6p^2q + q^5)b$ $+(3p^5q^6 + 2p^3q^4 + 5pq^2)c$ $+(p^6q^2 + 6p^4q^6 + p^4)d$
156	$(2p^4q^4 + 6p^2q^2 + q^6)a$ $+(p^5 + 2p^3q^4 + 6pq^2)b$ $+(p^6q^3 + 7p^4q)c$ $+(2p^5q^3 + 7p^3q)d$	$(p^6q^3 + 7p^4q)a$ $+(2p^5q^3 + 7p^3q)b$ $+(2p^4q^4 + 6p^2q^2 + q^6)c$ $+(p^5 + 2p^3q^4 + 6pq^2)d$

157	$(2p^5q^4 + 7p^3q^2)a$ + $(p^6 + 4p^4q^4 + 3p^2q^2 + q^6)b$ + $(p^5q + 2p^3q^5 + 6pq^3)c$ + $(3p^6q^3 + 5p^4q)d$	$(p^5q + 2p^3q^5 + 6pq^3)a$ + $(3p^6q^3 + 5p^4q)b$ + $(2p^5q^4 + 7p^3q^2)c$ + $(p^6 + 4p^4q^4 + 3p^2q^2 + q^6)d$
158	$(3p^6q^4 + 5p^4q^2)a$ + $(6p^5q^4 + p^3q^2 + pq^6 + p)b$ + $(p^6q + 4p^4q^5 + 3p^2q^3 + q)c$ + $(6p^5q + 2p^3q^5)d$	$(p^6q + 4p^4q^5 + 3p^2q^3 + q)a$ + $(6p^5q + 2p^3q^5)b$ + $(3p^6q^4 + 5p^4q^2)c$ + $(6p^5q^4 + p^3q^2 + pq^6 + p)d$
159	$(6p^5q^2 + 2p^3q^6)a$ + $(6p^4q^2 + p^2q^6 + p^2)b$ + $(6p^5q^5 + p^3q^3 + 2pq)c$ + $(7p^6q + 6p^4q^5 + 3p^2q^3 + q)d$	$(6p^5q^5 + p^3q^3 + 2pq)a$ + $(7p^6q + 6p^4q^5 + 3p^2q^3 + q)b$ + $(6p^5q^2 + 2p^3q^6)c$ + $(6p^4q^2 + p^2q^6 + p^2)d$
160	$(7p^6q^2 + 6p^4q^6 + 3p^2q^4 + q^2)a$ + $(3p^5q^2 + 3p^3q^6 + p^3)b$ + $(6p^4q^3 + 2p^2q)c$ + $(3p^5q^5 + 4p^3q^3 + pq)d$	$(6p^4q^3 + 2p^2q)a$ + $(3p^5q^5 + 4p^3q^3 + pq)b$ + $(7p^6q^2 + 6p^4q^6 + 3p^2q^4 + q^2)c$ + $(3p^5q^2 + 3p^3q^6 + p^3)d$
161	$(3p^5q^6 + 4p^3q^4 + pq^2)a$ + $(p^6q^2 + p^4 + 3p^2q^4 + q^2)b$ + $(3p^5q^3 + 4p^3q)c$ + $(3p^6q^5 + p^4q^3 + 3p^2q)d$	$(3p^5q^3 + 4p^3q)a$ + $(3p^6q^5 + p^4q^3 + 3p^2q)b$ + $(3p^5q^6 + 4p^3q^4 + pq^2)c$ + $(p^6q^2 + p^4 + 3p^2q^4 + q^2)d$
162	$(3p^6q^6 + p^4q^4 + 3p^2q^2)a$ + $(3p^5q^6 + p^5 + 7p^3q^4 + 3pq^2)b$ + $(p^6q^3 + p^4q + 3p^2q^5 + q^3)c$ + $(4p^5q^3 + 7p^3q + 3pq^5)d$	$(p^6q^3 + p^4q + 3p^2q^5 + q^3)a$ + $(4p^5q^3 + 7p^3q + 3pq^5)b$ + $(3p^6q^6 + p^4q^4 + 3p^2q^2)c$ + $(3p^5q^6 + p^5 + 7p^3q^4 + 3pq^2)d$
163	$(4p^5q^4 + 7p^3q^2 + 3pq^6)a$ + $(6p^6q^6 + p^6 + 8p^4q^4 + 6p^2q^2)b$ + $(4p^5q + 7p^3q^5 + 3pq^3)c$ + $(5p^6q^3 + 8p^4q + 6p^2q^5 + q^3)d$	$(4p^5q + 7p^3q^5 + 3pq^3)a$ + $(5p^6q^3 + 8p^4q + 6p^2q^5 + q^3)b$ + $(4p^5q^4 + 7p^3q^2 + 3pq^6)c$ + $(6p^6q^6 + p^6 + 8p^4q^4 + 6p^2q^2)d$
164	$(5p^6q^4 + 8p^4q^2 + 6p^2q^6 + q^4)a$ + $(3p^5q^4 + 4p^3q^2 + p)b$ + $(7p^6q + 8p^4q^5 + 6p^2q^3)c$ + $(3p^5q + 4p^3q^5)d$	$(7p^6q + 8p^4q^5 + 6p^2q^3)a$ + $(3p^5q + 4p^3q^5)b$ + $(5p^6q^4 + 8p^4q^2 + 6p^2q^6 + q^4)c$ + $(3p^5q^4 + 4p^3q^2 + p)d$
165	$(3p^5q^2 + 4p^3q^6)a$ + $(8p^6q^4 + 3p^4q^2 + 6p^2q^6 + p^2 + q^4)b$ + $(3p^5q^5 + 4p^3q^3 + pq)c$ + $(p^6q + 3p^4q^5 + 6p^2q^3)d$	$(3p^5q^5 + 4p^3q^3 + pq)a$ + $(p^6q + 3p^4q^5 + 6p^2q^3)b$ + $(3p^5q^2 + 4p^3q^6)c$ + $(8p^6q^4 + 3p^4q^2 + 6p^2q^6 + p^2 + q^4)d$
166	$(p^6q^2 + 3p^4q^6 + 6p^2q^4)a$ + $(6p^5q^2 + p^3q^6 + p^3)b$ + $(8p^6q^5 + 3p^4q^3 + 7p^2q + q^5)c$ + $(6p^5q^5 + p^3q^3 + 2pq)d$	$(8p^6q^5 + 3p^4q^3 + 7p^2q + q^5)a$ + $(6p^5q^5 + p^3q^3 + 2pq)b$ + $(p^6q^2 + 3p^4q^6 + 6p^2q^4)c$ + $(6p^5q^2 + p^3q^6 + p^3)d$

167	$(6p^5q^6 + p^3q^4 + 2pq^2)a$ $+(7p^6q^2 + 4p^4q^6 + p^4 + 6p^2q^4)b$ $+(6p^5q^3 + 2p^3q)c$ $+(5p^6q^5 + 4p^4q^3 + q^5)d$	$(6p^5q^3 + 2p^3q)a$ $+(5p^6q^5 + 4p^4q^3 + q^5)b$ $+(6p^5q^6 + p^3q^4 + 2pq^2)c$ $+(7p^6q^2 + 4p^4q^6 + p^4 + 6p^2q^4)d$
168	$(5p^6q^6 + 4p^4q^4 + q^6)a$ $+(p^5q^6 + p^5 + 7p^3q^4)b$ $+(7p^6q^3 + 5p^4q + 6p^2q^5)c$ $+(p^5q^3 + 2p^3q + 6pq^5)d$	$(7p^6q^3 + 5p^4q + 6p^2q^5)a$ $+(p^5q^3 + 2p^3q + 6pq^5)b$ $+(5p^6q^6 + 4p^4q^4 + q^6)c$ $+(p^5q^6 + p^5 + 7p^3q^4)d$
169	$(p^5q^4 + 2p^3q^2 + 6pq^6)a$ $+(6p^6q^6 + p^6 + 2p^4q^4 + q^6)b$ $+(2p^5q + 7p^3q^5)c$ $+(8p^6q^3 + 7p^4q + 3p^2q^5)d$	$(2p^5q + 7p^3q^5)a$ $+(8p^6q^3 + 7p^4q + 3p^2q^5)b$ $+(p^5q^4 + 2p^3q^2 + 6pq^6)c$ $+(6p^6q^6 + p^6 + 2p^4q^4 + q^6)d$
170	$(8p^6q^4 + 7p^4q^2 + 3p^2q^6)a$ $+(3p^5q^4 + 2p^3q^2 + 4pq^6 + p)b$ $+(7p^6q + 2p^4q^5 + q)c$ $+(p^3q^5 + 8pq^3)d$	$(7p^6q + 2p^4q^5 + q)a$ $+(p^3q^5 + 8pq^3)b$ $+(8p^6q^4 + 7p^4q^2 + 3p^2q^6)c$ $+(3p^5q^4 + 2p^3q^2 + 4pq^6 + p)d$
171	$(p^3q^6 + 8pq^4)a$ $+(2p^6q^4 + 7p^2q^6 + p^2)b$ $+(3p^5q^5 + 2p^3q^3 + 5pq)c$ $+(7p^6q + 3p^4q^5 + 8p^2q^3 + q)d$	$(3p^5q^5 + 2p^3q^3 + 5pq)a$ $+(7p^6q + 3p^4q^5 + 8p^2q^3 + q)b$ $+(p^3q^6 + 8pq^4)c$ $+(2p^6q^4 + 7p^2q^6 + p^2)d$
172	$(7p^6q^2 + 3p^4q^6 + 8p^2q^4 + q^2)a$ $+(8p^3q^6 + p^3 + pq^4)b$ $+(2p^6q^5 + 8p^2q)c$ $+(6p^5q^5 + p^3q^3 + 4pq)d$	$(2p^6q^5 + 8p^2q)a$ $+(6p^5q^5 + p^3q^3 + 4pq)b$ $+(7p^6q^2 + 3p^4q^6 + 8p^2q^4 + q^2)c$ $+(8p^3q^6 + p^3 + pq^4)d$
173	$(6p^5q^6 + p^3q^4 + 4pq^2)a$ $+(7p^6q^2 + 2p^4q^6 + p^4 + q^2)b$ $+pq^5c + (8p^6q^5 + p^4q^3 + 3p^2q)d$	$pq^5a + (8p^6q^5 + p^4q^3 + 3p^2q)b$ $+(6p^5q^6 + p^3q^4 + 4pq^2)c$ $+(7p^6q^2 + 2p^4q^6 + p^4 + q^2)d$
174	$(8p^6q^6 + p^4q^4 + 3p^2q^2)a$ $+(8p^5q^6 + p^5 + p^3q^4 + 3pq^2)b$ $+(7p^6q^3 + 3p^4q + q^3)c$ $+(p^5q^3 + 3p^3q)d$	$(7p^6q^3 + 3p^4q + q^3)a$ $+(p^5q^3 + 3p^3q)b$ $+(8p^6q^6 + p^4q^4 + 3p^2q^2)c$ $+(8p^5q^6 + p^5 + p^3q^4 + 3pq^2)d$
175	$(p^5q^4 + 3p^3q^2)a$ $+(7p^6q^6 + p^6 + 2p^4q^4 + 6p^2q^2)b$ $+(p^3q^5 + 3pq^3)c$ $+(8p^6q^3 + 6p^4q + q^3)d$	$(p^3q^5 + 3pq^3)a$ $+(8p^6q^3 + 6p^4q + q^3)b$ $+(p^5q^4 + 3p^3q^2)c$ $+(7p^6q^6 + p^6 + 2p^4q^4 + 6p^2q^2)d$
176	$(8p^6q^4 + 6p^4q^2 + q^4)a$ $+(3p^5q^4 + 7pq^6 + p)b$ $+(8p^6q + 2p^4q^5 + 6p^2q^3)c$ $+(6p^5q + p^3q^5 + 3pq^3)d$	$(8p^6q + 2p^4q^5 + 6p^2q^3)a$ $+(6p^5q + p^3q^5 + 3pq^3)b$ $+(8p^6q^4 + 6p^4q^2 + q^4)c$ $+(3p^5q^4 + 7pq^6 + p)d$

177	$(6p^5q^2 + p^3q^6 + 3pq^4)a$ + $(2p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2 + q^4)b$ + $(3p^5q^5 + 8pq)c$ + $(5p^6q + 3p^4q^5)d$	$(3p^5q^5 + 8pq)a$ + $(5p^6q + 3p^4q^5)b$ + $(6p^5q^2 + p^3q^6 + 3pq^4)c$ + $(2p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2 + q^4)d$
178	$(5p^6q^2 + 3p^4q^6)a$ + $(3p^5q^2 + 8p^3q^6 + p^3 + 6pq^4)b$ + $(2p^6q^5 + 6p^4q^3 + 8p^2q + q^5)c$ + $(6p^5q^5 + 4pq)d$	$(2p^6q^5 + 6p^4q^3 + 8p^2q + q^5)a$ + $(6p^5q^5 + 4pq)b$ + $(5p^6q^2 + 3p^4q^6)c$ + $(3p^5q^2 + 8p^3q^6 + p^3 + 6pq^4)d$
179	$(6p^5q^6 + 4pq^2)a$ + $(8p^6q^2 + 2p^4q^6 + p^4 + 6p^2q^4)b$ + $(3p^5q^3 + 6pq^5)c$ + $(8p^6q^5 + 6p^4q^3 + 3p^2q + q^5)d$	$(3p^5q^3 + 6pq^5)a$ + $(8p^6q^5 + 6p^4q^3 + 3p^2q + q^5)b$ + $(6p^5q^6 + 4pq^2)c$ + $(8p^6q^2 + 2p^4q^6 + p^4 + 6p^2q^4)d$
180	$(8p^6q^6 + 6p^4q^4 + 3p^2q^2 + q^6)a$ + $(8p^5q^6 + p^5 + 6p^3q^4 + 3pq^2)b$ + $(8p^6q^3 + 3p^4q + 6p^2q^5)c$ + $(3p^3q + 6pq^5)d$	$(8p^6q^3 + 3p^4q + 6p^2q^5)a$ + $(3p^3q + 6pq^5)b$ + $(8p^6q^6 + 6p^4q^4 + 3p^2q^2 + q^6)c$ + $(8p^5q^6 + p^5 + 6p^3q^4 + 3pq^2)d$
181	$(3p^3q^2 + 6pq^6)a$ + $(7p^6q^6 + p^6 + 3p^4q^4 + 6p^2q^2 + q^6)b$ + $(6p^3q^5 + 3pq^3)c$ + $(8p^6q^3 + 6p^4q + 3p^2q^5)d$	$(6p^3q^5 + 3pq^3)a$ + $(8p^6q^3 + 6p^4q + 3p^2q^5)b$ + $(3p^3q^2 + 6pq^6)c$ + $(7p^6q^6 + p^6 + 3p^4q^4 + 6p^2q^2 + q^6)d$
182	$(8p^6q^4 + 6p^4q^2 + 3p^2q^6)a$ + $(3p^5q^4 + 5pq^6 + p)b$ + $(8p^6q + 3p^4q^5 + 6p^2q^3 + q)c$ + $(6p^5q + 2pq^3)d$	$(8p^6q + 3p^4q^5 + 6p^2q^3 + q)a$ + $(6p^5q + 2pq^3)b$ + $(8p^6q^4 + 6p^4q^2 + 3p^2q^6)c$ + $(3p^5q^4 + 5pq^6 + p)d$
183	$(6p^5q^2 + 2pq^4)a$ + $(2p^6q^4 + 6p^4q^2 + 8p^2q^6 + p^2)b$ + $(3p^5q^5 + 6pq)c$ + $(5p^6q + 3p^4q^5 + 8p^2q^3 + q)d$	$(3p^5q^5 + 6pq)a$ + $(5p^6q + 3p^4q^5 + 8p^2q^3 + q)b$ + $(6p^5q^2 + 2pq^4)c$ + $(2p^6q^4 + 6p^4q^2 + 8p^2q^6 + p^2)d$
184	$(5p^6q^2 + 3p^4q^6 + 8p^2q^4 + q^2)a$ + $(3p^5q^2 + 8p^3q^6 + p^3 + 4pq^4)b$ + $(2p^6q^5 + 6p^4q^3)c$ + $(6p^5q^5 + 8p^3q^3 + 3pq)d$	$(2p^6q^5 + 6p^4q^3)a$ + $(6p^5q^5 + 8p^3q^3 + 3pq)b$ + $(5p^6q^2 + 3p^4q^6 + 8p^2q^4 + q^2)c$ + $(3p^5q^2 + 8p^3q^6 + p^3 + 4pq^4)d$
185	$(6p^5q^6 + 8p^3q^4 + 3pq^2)a$ + $(8p^6q^2 + 2p^4q^6 + p^4 + 3p^2q^4 + q^2)b$ + $(3p^5q^3 + 4pq^5)c$ + $(8p^6q^5 + 5p^4q^3 + 3p^2q)d$	$(3p^5q^3 + 4pq^5)a$ + $(8p^6q^5 + 5p^4q^3 + 3p^2q)b$ + $(6p^5q^6 + 8p^3q^4 + 3pq^2)c$ + $(8p^6q^2 + 2p^4q^6 + p^4 + 3p^2q^4 + q^2)d$
186	$(8p^6q^6 + 5p^4q^4 + 3p^2q^2)a$ + $(8p^5q^6 + p^5 + 2p^3q^4 + 3pq^2)b$ + $(8p^6q^3 + 3p^4q + 3p^2q^5 + q^3)c$ + $(8p^5q^3 + 3p^3q + 3pq^5)d$	$(8p^6q^3 + 3p^4q + 3p^2q^5 + q^3)a$ + $(8p^5q^3 + 3p^3q + 3pq^5)b$ + $(8p^6q^6 + 5p^4q^4 + 3p^2q^2)c$ + $(8p^5q^6 + p^5 + 2p^3q^4 + 3pq^2)d$

187	$(8p^5q^4 + 3p^3q^2 + 3pq^6)a$ + $(7p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2)b$ + $(2p^3q^5 + 3pq^3)c$ + $(7p^6q^3 + 6p^4q + 6p^2q^5 + q^3)d$	$(2p^3q^5 + 3pq^3)a$ + $(7p^6q^3 + 6p^4q + 6p^2q^5 + q^3)b$ + $(8p^5q^4 + 3p^3q^2 + 3pq^6)c$ + $(7p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2)d$
188	$(7p^6q^4 + 6p^4q^2 + 6p^2q^6 + q^4)a$ + $(6p^5q^4 + pq^6 + p)b$ + $(8p^6q + 7p^4q^5 + 6p^2q^3)c$ + $(6p^5q + 8p^3q^5 + 2pq^3)d$	$(8p^6q + 7p^4q^5 + 6p^2q^3)a$ + $(6p^5q + 8p^3q^5 + 2pq^3)b$ + $(7p^6q^4 + 6p^4q^2 + 6p^2q^6 + q^4)c$ + $(6p^5q^4 + pq^6 + p)d$
189	$(6p^5q^2 + 8p^3q^6 + 2pq^4)a$ + $(4p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2 + q^4)b$ + $(6p^5q^5 + 2pq)c$ + $(5p^6q + 6p^4q^5 + 8p^2q^3)d$	$(6p^5q^5 + 2pq)a$ + $(5p^6q + 6p^4q^5 + 8p^2q^3)b$ + $(6p^5q^2 + 8p^3q^6 + 2pq^4)c$ + $(4p^6q^4 + 6p^4q^2 + 7p^2q^6 + p^2 + q^4)d$
190	$(5p^6q^2 + 6p^4q^6 + 8p^2q^4)a$ + $(3p^5q^2 + 6p^3q^6 + p^3 + 7pq^4)b$ + $(4p^6q^5 + 6p^4q^3 + 8p^2q + q^5)c$ + $(3p^5q^5 + 8p^3q^3 + 7pq)d$	$(4p^6q^5 + 6p^4q^3 + 8p^2q + q^5)a$ + $(3p^5q^5 + 8p^3q^3 + 7pq)b$ + $(5p^6q^2 + 6p^4q^6 + 8p^2q^4)c$ + $(3p^5q^2 + 6p^3q^6 + p^3 + 7pq^4)d$
191	$(3p^5q^6 + 8p^3q^4 + 7pq^2)a$ + $(8p^6q^2 + 3p^4q^6 + p^4 + 6p^2q^4)b$ + $(3p^5q^3 + 7p^3q + 7pq^5)c$ + $(7p^6q^5 + 5p^4q^3 + 6p^2q + q^5)d$	$(3p^5q^3 + 7p^3q + 7pq^5)a$ + $(7p^6q^5 + 5p^4q^3 + 6p^2q + q^5)b$ + $(3p^5q^6 + 8p^3q^4 + 7pq^2)c$ + $(8p^6q^2 + 3p^4q^6 + p^4 + 6p^2q^4)d$
192	$(7p^6q^6 + 5p^4q^4 + 6p^2q^2 + q^6)a$ + $(6p^5q^6 + p^5 + 5p^3q^4 + 6pq^2)b$ + $(8p^6q^3 + 4p^4q + 6p^2q^5)c$ + $(8p^5q^3 + 4p^3q + 6pq^5)d$	$(8p^6q^3 + 4p^4q + 6p^2q^5)a$ + $(8p^5q^3 + 4p^3q + 6pq^5)b$ + $(7p^6q^6 + 5p^4q^4 + 6p^2q^2 + q^6)c$ + $(6p^5q^6 + p^5 + 5p^3q^4 + 6pq^2)d$
193	$(8p^5q^4 + 4p^3q^2 + 6pq^6)a$ + $(4p^6q^6 + p^6 + p^4q^4 + 3p^2q^2 + q^6)b$ + $(7p^5q + 5p^3q^5 + 6pq^3)c$ + $(7p^6q^3 + 8p^4q + 3p^2q^5)d$	$(7p^5q + 5p^3q^5 + 6pq^3)a$ + $(7p^6q^3 + 8p^4q + 3p^2q^5)b$ + $(8p^5q^4 + 4p^3q^2 + 6pq^6)c$ + $(4p^6q^6 + p^6 + p^4q^4 + 3p^2q^2 + q^6)d$
194	$(7p^6q^4 + 8p^4q^2 + 3p^2q^6)a$ + $(7p^3q^2 + 2pq^6 + p)b$ + $(5p^6q + p^4q^5 + 3p^2q^3 + q)c$ + $(6p^5q + 8p^3q^5 + 4pq^3)d$	$(5p^6q + p^4q^5 + 3p^2q^3 + q)a$ + $(6p^5q + 8p^3q^5 + 4pq^3)b$ + $(7p^6q^4 + 8p^4q^2 + 3p^2q^6)c$ + $(7p^3q^2 + 2pq^6 + p)d$
195	$(6p^5q^2 + 8p^3q^6 + 4pq^4)a$ + $(7p^6q^4 + 6p^4q^2 + 5p^2q^6 + p^2)b$ + $(7p^3q^3 + 3pq)c$ + $(2p^6q + 7p^2q^3 + q)d$	$(7p^3q^3 + 3pq)a$ + $(2p^6q + 7p^2q^3 + q)b$ + $(6p^5q^2 + 8p^3q^6 + 4pq^4)c$ + $(7p^6q^4 + 6p^4q^2 + 5p^2q^6 + p^2)d$
196	$(2p^6q^2 + 7p^2q^4 + q^2)a$ + $(3p^5q^2 + 4p^3q^6 + p^3 + 2pq^4)b$ + $(7p^6q^5 + 6p^4q^3 + 6p^2q)c$ + $(5p^3q^3 + 6pq)d$	$(7p^6q^5 + 6p^4q^3 + 6p^2q)a$ + $(5p^3q^3 + 6pq)b$ + $(2p^6q^2 + 7p^2q^4 + q^2)c$ + $(3p^5q^2 + 4p^3q^6 + p^3 + 2pq^4)d$

197	$(5p^3q^4 + 6pq^2)a$ + $(5p^6q^2 + 4p^4q^6 + p^4 + q^2)b$ + $(3p^5q^3 + 5p^3q + 2pq^5)c$ + $(7p^6q^5 + 2p^4q^3 + 3p^2q)d$	$(3p^5q^3 + 5p^3q + 2pq^5)a$ + $(7p^6q^5 + 2p^4q^3 + 3p^2q)b$ + $(5p^3q^4 + 6pq^2)c$ + $(5p^6q^2 + 4p^4q^6 + p^4 + q^2)d$
198	$(7p^6q^6 + 2p^4q^4 + 3p^2q^2)a$ + $(4p^5q^6 + p^5 + 5p^3q^4 + 3pq^2)b$ + $(5p^6q^3 + 5p^4q + q^3)c$ + $(5p^5q^3 + 8p^3q)d$	$(5p^6q^3 + 5p^4q + q^3)a$ + $(5p^5q^3 + 8p^3q)b$ + $(7p^6q^6 + 2p^4q^4 + 3p^2q^2)c$ + $(4p^5q^6 + p^5 + 5p^3q^4 + 3pq^2)d$
199	$(5p^5q^4 + 8p^3q^2)a$ + $(2p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2)b$ + $(5p^5q + 5p^3q^5 + 3pq^3)c$ + $(p^6q^3 + 4p^4q + q^3)d$	$(5p^5q + 5p^3q^5 + 3pq^3)a$ + $(p^6q^3 + 4p^4q + q^3)b$ + $(5p^5q^4 + 8p^3q^2)c$ + $(2p^6q^6 + p^6 + 7p^4q^4 + 6p^2q^2)d$
200	$(p^6q^4 + 4p^4q^2 + q^4)a$ + $(3p^5q^4 + 5p^3q^2 + 2pq^6 + p)b$ + $(3p^6q + 7p^4q^5 + 6p^2q^3)c$ + $(5p^3q^5 + 5pq^3)d$	$(3p^6q + 7p^4q^5 + 6p^2q^3)a$ + $(5p^3q^5 + 5pq^3)b$ + $(p^6q^4 + 4p^4q^2 + q^4)c$ + $(3p^5q^4 + 5p^3q^2 + 2pq^6 + p)d$
201	$(5p^3q^6 + 5pq^4)a$ + $(4p^6q^4 + 2p^2q^6 + p^2 + q^4)b$ + $(3p^5q^5 + 5p^3q^3 + 3pq)c$ + $(3p^6q + 3p^4q^5 + 2p^2q^3)d$	$(3p^5q^5 + 5p^3q^3 + 3pq)a$ + $(3p^6q + 3p^4q^5 + 2p^2q^3)b$ + $(5p^3q^6 + 5pq^4)c$ + $(4p^6q^4 + 2p^2q^6 + p^2 + q^4)d$
202	$(3p^6q^2 + 3p^4q^6 + 2p^2q^4)a$ + $(7p^3q^6 + p^3 + pq^4)b$ + $(4p^6q^5 + 3p^2q + q^5)c$ + $(6p^5q^5 + 7p^3q^3 + 6pq)d$	$(4p^6q^5 + 3p^2q + q^5)a$ + $(6p^5q^5 + 7p^3q^3 + 6pq)b$ + $(3p^6q^2 + 3p^4q^6 + 2p^2q^4)c$ + $(7p^3q^6 + p^3 + pq^4)d$
203	$(6p^5q^6 + 7p^3q^4 + 6pq^2)a$ + $(3p^6q^2 + p^4q^6 + p^4 + 3p^2q^4)b$ + $(8p^3q + pq^5)c$ + $(p^6q^5 + 7p^4q^3 + q^5)d$	$(8p^3q + pq^5)a$ + $(p^6q^5 + 7p^4q^3 + q^5)b$ + $(6p^5q^6 + 7p^3q^4 + 6pq^2)c$ + $(3p^6q^2 + p^4q^6 + p^4 + 3p^2q^4)d$
204	$(p^6q^6 + 7p^4q^4 + q^6)a$ + $(7p^5q^6 + p^5 + p^3q^4)b$ + $(3p^6q^3 + 2p^4q + 3p^2q^5)c$ + $(7p^5q^3 + 8p^3q + 3pq^5)d$	$(3p^6q^3 + 2p^4q + 3p^2q^5)a$ + $(7p^5q^3 + 8p^3q + 3pq^5)b$ + $(p^6q^6 + 7p^4q^4 + q^6)c$ + $(7p^5q^6 + p^5 + p^3q^4)d$
205	$(7p^5q^4 + 8p^3q^2 + 3pq^6)a$ + $(8p^6q^6 + p^6 + 8p^4q^4 + q^6)b$ + $(8p^5q + p^3q^5)c$ + $(p^6q^3 + p^4q + 6p^2q^5)d$	$(8p^5q + p^3q^5)a$ + $(p^6q^3 + p^4q + 6p^2q^5)b$ + $(7p^5q^4 + 8p^3q^2 + 3pq^6)c$ + $(8p^6q^6 + p^6 + 8p^4q^4 + q^6)d$
206	$(p^6q^4 + p^4q^2 + 6p^2q^6)a$ + $(6p^5q^4 + 8p^3q^2 + 3pq^6 + p)b$ + $(8p^4q^5 + q)c$ + $(7p^3q^5 + pq^3)d$	$(8p^4q^5 + q)a$ + $(7p^3q^5 + pq^3)b$ + $(p^6q^4 + p^4q^2 + 6p^2q^6)c$ + $(6p^5q^4 + 8p^3q^2 + 3pq^6 + p)d$

207	$(7p^3q^6 + pq^4)a$ + $(7p^6q^4 + p^2)b$ + $(6p^5q^5 + 8p^3q^3 + 4pq)c$ + $(6p^4q^5 + p^2q^3 + q)d$	$(6p^5q^5 + 8p^3q^3 + 4pq)a$ + $(6p^4q^5 + p^2q^3 + q)b$ + $(7p^3q^6 + pq^4)c$ + $(7p^6q^4 + p^2)d$
208	$(6p^4q^6 + p^2q^4 + q^2)a$ + $(7p^3q^6 + p^3 + 8pq^4)b$ + $(7p^6q^5 + p^2q)c$ + $(3p^5q^5 + 5pq)d$	$(7p^6q^5 + p^2q)a$ + $(3p^5q^5 + 5pq)b$ + $(6p^4q^6 + p^2q^4 + q^2)c$ + $(7p^3q^6 + p^3 + 8pq^4)d$
209	$(3p^5q^6 + 5pq^2)a$ + $(4p^4q^6 + p^4 + q^2)b$ + $(8p^3q + 8pq^5)c$ + $(p^6q^5 + 6p^2q)d$	$(8p^3q + 8pq^5)a$ + $(p^6q^5 + 6p^2q)b$ + $(3p^5q^6 + 5pq^2)c$ + $(4p^4q^6 + p^4 + q^2)d$
210	$(p^6q^6 + 6p^2q^2)a$ + $(7p^5q^6 + p^5 + 6pq^2)b$ + $(5p^4q + q^3)c + 5p^3qd$	$(5p^4q + q^3)a + 5p^3qb$ + $(p^6q^6 + 6p^2q^2)c$ + $(7p^5q^6 + p^5 + 6pq^2)d$
211	$5p^3q^2a + (8p^6q^6 + p^6 + 3p^2q^2)b$ + $(8p^5q + 6pq^3)c + (p^4q + q^3)d$	$(8p^5q + 6pq^3)a + (p^4q + q^3)b$ + $5p^3q^2c + (8p^6q^6 + p^6 + 3p^2q^2)d$
212	$(p^4q^2 + q^4)a + (8p^3q^2 + 8pq^6 + p)b$ + $3p^2q^3c + 7pq^3d$	$3p^2q^3a + 7pq^3b$ + $(p^4q^2 + q^4)c + (8p^3q^2 + 8pq^6 + p)d$
213	$7pq^4a + (8p^2q^6 + p^2 + q^4)b$ + $8p^3q^3c + p^2q^3d$	$8p^3q^3a + p^2q^3b$ + $7pq^4c + (8p^2q^6 + p^2 + q^4)d$
214	$p^2q^4a + (8p^3q^6 + p^3 + 8pq^4)b + q^5c$	$q^5a + p^2q^4c + (8p^3q^6 + p^3 + 8pq^4)d$
215	$(8p^4q^6 + p^4)b + 8pq^5c + q^5d$	$8pq^5a + q^5b + (8p^4q^6 + p^4)d$
216	$q^6a + (8p^5q^6 + p^5)b$	$q^6c + (8p^5q^6 + p^5)d$
217	$(8p^6q^6 + p^6 + q^6)b$	$(8p^6q^6 + p^6 + q^6)d$
218	$pb + qc$	$qa + pd$
219	$p^2b + pqc + qd$	$pqa + qb + p^2d$

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