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P A Morris

letter

UNIVERSITY OF THE WEST INDIES

COLLEGE OF ARTS & SCIENCE

CABLES: "STOMATA" PORT-OF-SPAIN.

OUR REFERENCE:

ST. AUGUSTINE,
TRINIDAD, W.I.

2 March, 1971

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and A129427

Dear Dr Sloane,

I had in fact heard about your book from Prof Read while I was at Mona, Jamaica, with him, and I am very interested.

I must first rib you about your Caribbean Geography, though. You addressed your letter "... St Augustine, Trinidad, Jamaica"! UWI has 3 campuses: Mona, Jamaica, where I did my degree under Prof Read; St Augustine, Trinidad (where I am now) 1000. miles to the south; and Cave Hill, Barbados, 250 miles east of Trinidad. You must come and see it all, sometime!

Anyway, I did several tables of Schur-functions, and by counting various types of functions in my tables I can arrive at the numbers of various graphs. Thus there are 1, 2, 8, 31, 139 and 724 general cubical graphs on 0, 2, 4, 6, 8 and 10 nodes, the last two values being new.

Formulae, in terms of S-functions, for various types of sub-cubical graphs and multigraphs were obtained by C.C. Cadogan, who is now at Cave Hill. I am forwarding a copy of your letter to him. We will then use his formulae and my tables and send to you a list of the sequences you require. I will write as soon as I get this done with Cadogan

Sincerely

P.A. Morris