



791 ✓

6/11/80

Dear Neil,

an Italian, Piero Filliponi,
 wrote to me that my values of s_7
 and s_8 (labeled strongly connected
 digraphs on 7 + 8 pts) were wrong
 in my 1973 contribution to New Directions
in the Theory of Graphs. I'd done those
 on a desk top calculator, and indeed
 rerunning on our computer gave his values
 of s_7 and s_8 . A listing for $n \leq 18$ is
 enclosed. He gave three further
 values, two incorrect; my confidence
 is based on several cross checks,
 such as divisibility by 2 and asymptotic
 behavior. His computing was double-
 precision real, while mine is high
 precision integer (set at the start of the run.)

We are looking forward to seeing
 you soon.

Regards,

Bob

R.W. Robinson

LABELED STRONGLY CONNECTED DIGRAPHS

fa1 ✓

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PROJECT : NUMERICAL IMPLEMENTATION OF GRAPH CO
 A.R.G.C SUPPORTED : FILE NO. F75 / 15164
 PRINCIPAL INVESTIGATOR : R.W.ROBINSON, MATHS DEPT, NEWCASTL
 PROGRAMMER : ALBERT NYMEYER
 PROGRAM : LSCDIG / L23
 DATE : OCT 1980
 ALGORITHM DUE TO : E.M.WRIGHT

POINTS STRONGLY CONNECTED DIGRAPHS

1	1
2	1
3	18
4	1606
5	565080
6	734774776
7	3523091615568
8	63519209389664176

Comment
no spaces

✓ Sanjns

REF. No. 79 x 311

30	9	4407410978376102609280
31	10	1190433705317814685295399296
32		
33	11	12704638649578287993184246767488
34		
35	12	5381067966826255132459611681511359329536
36		
37	13	90765788839403090457244128951307413371883494400
38		
39	14	6109064462821545704046426032465737763224760635732888576
40		
41	15	1642494209200959152585925675993911516594334047201121102632675328
42		
43	16	1765122443407988445805033552553355246074907562987327297360836809051559936
44		
45	17	7584614419805881175680433221179078940847679585623577199572535817868820823643095040
46		
47	18	130334499991586909527420498909537734590625269179659951103626888752043097479468849813827977216
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