TABLE I

ASYMPTOTIC DEGREE-DIAMETER GRAPH PROPERTIES

Graph	Degree	Diameter D
de Bruijn	k	$\log_k N$
Trie	$k+1$	$2\log_k N$
Chord	$\log_2 N$	$\log_2 N$
CAN	$2d$	$1/2dN^{1/d}$
Pastry	$(b-1)\log_b N$	$\log_b N$
Classic butterfly	k	$2\log_k N(1-o(1))$

TABLE II

GRAPH DIAMETER FOR $N = 10^6$

k	de Bruijn	Trie	Chord	CAN	Pastry	Butterfly
2	20	–	–	huge	–	31
3	13	40	–	–	–	20
4	10	26	–	1,000	–	16
10	6	13	–	40	–	10
20	5	10	20	20	20	8
50	4	8	–	–	7	7
100	3	6	–	–	5	5