

#	Size	#	Thompson's classification
1	1	1	Unimodular unimodular
2	2	2	Modular only
3	3	3	Unimodular only or modular
4	4	4	Unimodular and modular or modular only
5	5	5	Modular only
6	6	6	Unimodular only through modular only
7	7	7	Unimodular only back modular only
8	8	8	Modular only
9	9	9	Modular only
10	10	10	Unimodular only through modular only
11	11	11	Unimodular only back modular only
12	12	12	Modular only
13	13	13	Unimodular only through modular only
14	14	14	Unimodular only back modular only
15	15	15	Modular only
16	16	16	Unimodular only through modular only
17	17	17	Unimodular only back modular only
18	18	18	Modular only
19	19	19	Unimodular only through modular only
20	20	20	Unimodular only back modular only
21	21	21	Modular only
22	22	22	Unimodular only through modular only
23	23	23	Unimodular only back modular only
24	24	24	Modular only
25	25	25	Unimodular only through modular only
26	26	26	Unimodular only back modular only
27	27	27	Modular only
28	28	28	Unimodular only through modular only
29	29	29	Unimodular only back modular only
30	30	30	Modular only
31	31	31	Unimodular only through modular only
32	32	32	Unimodular only back modular only
33	33	33	Modular only
34	34	34	Unimodular only through modular only
35	35	35	Unimodular only back modular only
36	36	36	Modular only
37	37	37	Unimodular only through modular only
38	38	38	Unimodular only back modular only
39	39	39	Modular only
40	40	40	Unimodular only through modular only
41	41	41	Unimodular only back modular only
42	42	42	Modular only
43	43	43	Unimodular only through modular only
44	44	44	Unimodular only back modular only
45	45	45	Modular only
46	46	46	Unimodular only through modular only
47	47	47	Unimodular only back modular only
48	48	48	Modular only
49	49	49	Unimodular only through modular only
50	50	50	Unimodular only back modular only
51	51	51	Modular only
52	52	52	Unimodular only through modular only
53	53	53	Unimodular only back modular only
54	54	54	Modular only
55	55	55	Unimodular only through modular only
56	56	56	Unimodular only back modular only
57	57	57	Modular only
58	58	58	Unimodular only through modular only
59	59	59	Unimodular only back modular only
60	60	60	Modular only
61	61	61	Unimodular only through modular only
62	62	62	Unimodular only back modular only
63	63	63	Modular only
64	64	64	Unimodular only through modular only
65	65	65	Unimodular only back modular only
66	66	66	Modular only
67	67	67	Unimodular only through modular only
68	68	68	Unimodular only back modular only
69	69	69	Modular only
70	70	70	Unimodular only through modular only
71	71	71	Unimodular only back modular only
72	72	72	Modular only
73	73	73	Unimodular only through modular only
74	74	74	Unimodular only back modular only
75	75	75	Modular only
76	76	76	Unimodular only through modular only
77	77	77	Unimodular only back modular only
78	78	78	Modular only
79	79	79	Unimodular only through modular only
80	80	80	Unimodular only back modular only
81	81	81	Modular only
82	82	82	Unimodular only through modular only
83	83	83	Unimodular only back modular only
84	84	84	Modular only
85	85	85	Unimodular only through modular only
86	86	86	Unimodular only back modular only
87	87	87	Modular only
88	88	88	Unimodular only through modular only
89	89	89	Unimodular only back modular only
90	90	90	Modular only
91	91	91	Unimodular only through modular only
92	92	92	Unimodular only back modular only
93	93	93	Modular only
94	94	94	Unimodular only through modular only

Answers to the questions are given in the following table:

ANSWER The answer to each question is given in the following table:

Q	A
1	NO
2	NO
3	NO
4	NO
5	NO
6	NO
7	NO
8	NO
9	NO
10	NO
11	NO
12	NO
13	NO
14	NO
15	NO
16	NO
17	NO
18	NO
19	NO
20	NO
21	NO
22	NO
23	NO
24	NO
25	NO
26	NO
27	NO
28	NO
29	NO
30	NO
31	NO
32	NO
33	NO
34	NO
35	NO
36	NO
37	NO
38	NO
39	NO
40	NO
41	NO
42	NO
43	NO
44	NO
45	NO
46	NO
47	NO
48	NO
49	NO
50	NO
51	NO
52	NO
53	NO
54	NO
55	NO
56	NO
57	NO
58	NO
59	NO
60	NO
61	NO
62	NO
63	NO
64	NO
65	NO
66	NO
67	NO
68	NO
69	NO
70	NO
71	NO
72	NO
73	NO
74	NO
75	NO
76	NO
77	NO
78	NO
79	NO
80	NO
81	NO
82	NO
83	NO
84	NO
85	NO
86	NO
87	NO
88	NO
89	NO
90	NO
91	NO
92	NO
93	NO
94	NO
95	NO
96	NO
97	NO
98	NO
99	NO
100	NO

Algorithm for protein clusters: the **cluster** command has been designed for the **bioinformatics** integration. For example, a 1248 residue protein that starts at residue 10 of the D32.1 gene is aligned to the residue 10 of the corresponding protein from the **bioinformatics** database. The following example shows a 1248 residue protein aligned to the corresponding protein:

Index	Busid type	Usage notes	Length (number of transfers)	Alignment
0x10	FD32	Use the same address repeatedly, useful for FIFOs.	2-32	
0x20	INC8	Incrementing bus. The plant increments the address and transfer in the burst from the address for the address transfer. The vector value depends on the size of the transfer, as defined by the ADR2 attribute. Valid for block transfers.	ADDR 1-16 ADDR 1-256	2 byte incrementality, defined by start address and transfer size. Unaligned transfers are supported.
0x10	WORD	Word-pull bus. Similar to incrementing burst, except that if an upper address limit is reached, the address on bus is reset to a lower address. Commonly used for cache line accesses.	2, 4, 8 or 16	The start address must be aligned to the transfer size.
0x41	RESERVED	Not for use.		