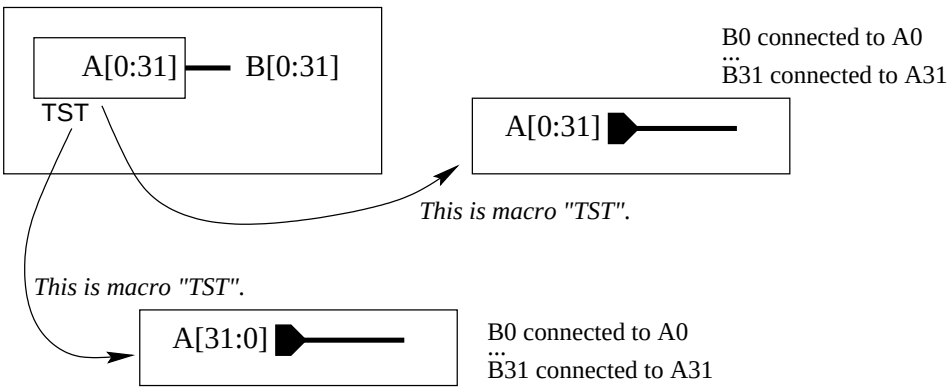
Bus connected to macro

A[0:31] — B[0:31]	A0 connected to B0 ... A31 connected to B31	
A[31:0] — B[0:31]	A31 connected to B0 ... A0 connected to B31	
A[0:4] — B[0:31]	A0 connected to B0 ... A4 connected to B4	
A[4:0] — B[0:31]	A4 connected to B0 ... A0 connected to B4	
A[0:31] — B[31:0]	A0 connected to B31 ... A31 connected to B0	
A[31:0] — B[31:0]	A31 connected to B31 ... A0 connected to B0	
A[0:4] — B[31:0]	A0 connected to B31 ... A4 connected to B27	
A[4:0] — B[31:0]	A4 connected to B31 ... A0 connected to B27	

Macro connected to macro

A[0:31] — B[0:31]	
A[31:0] — B[0:31]	
A[0:4] — B[0:31]	
A[4:0] — B[0:31]	
A[0:31] — B[31:0]	
A[31:0] — B[31:0]	
A[0:4] — B[31:0]	
A[4:0] — B[31:0]	

A[0:31] — C[0:31]	C[31:0] — B[31:0]	A0 connected to B0 ... A31 connected to B31
A[12:23] — C[12:23]	C[31:0] — B[31:0]	A12 connected to B12 ... A23 connected to B23