```
  PUSH(barrier_address);
  t = parallel_expr;
  gather_result = WAIT_GATHER(barrier_address, t);
  if (t == 0) goto Else;
  barrier_address &= gather_result;
stat_a;
  goto Exit; Else:
  barrier_address &= (flag_vector_mask ^ gather_result);
stat_b; Exit:
  barrier_address = POP();
```

Listing 3: SPMD worker model SIMD parallel `if-else`