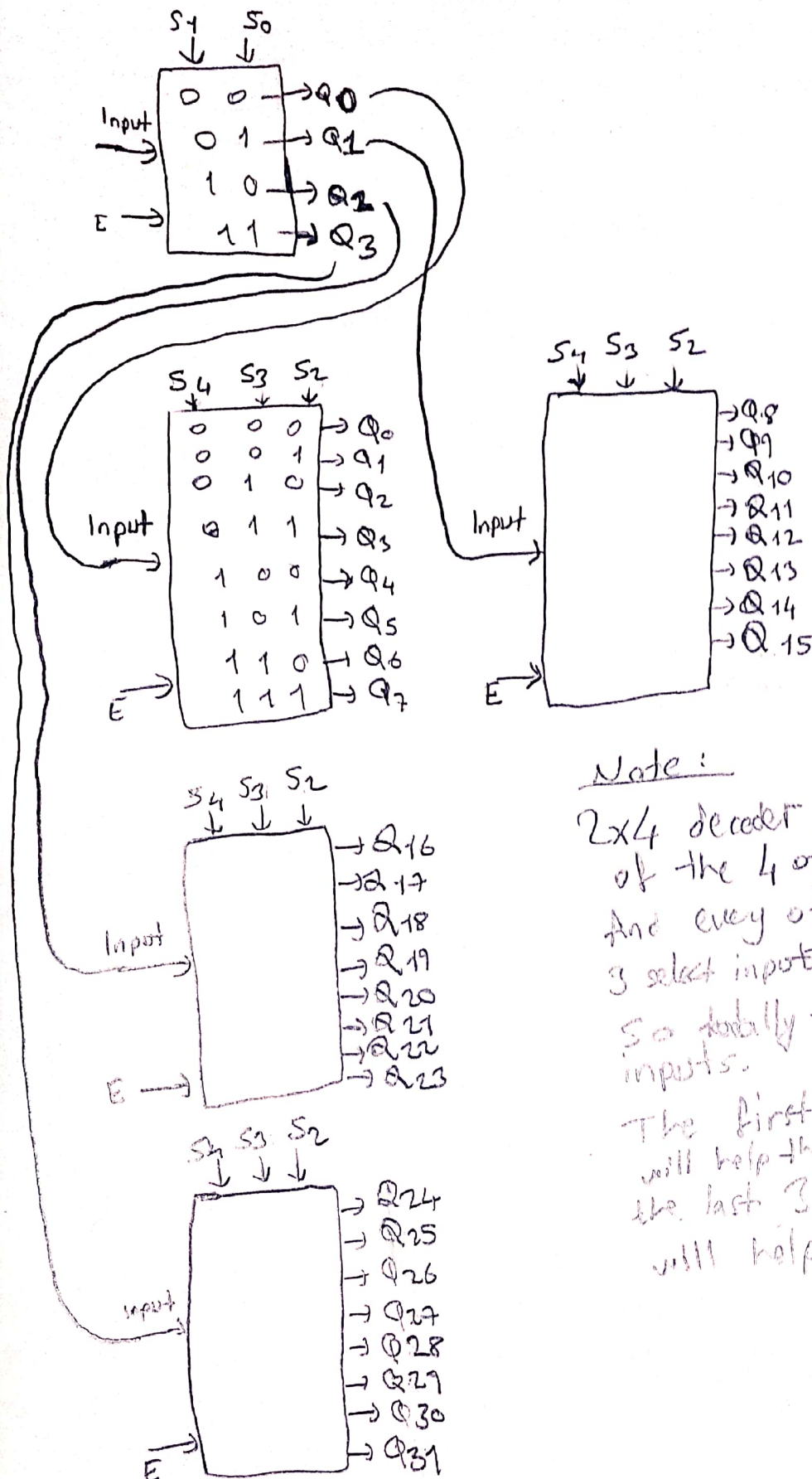


2) Use a 2×4 and 3 3×8 decoders (with enable input) to create a 5×32 decoder. Draw only the block diagram of your design.



Note:

2×4 decoder will help to select one of the 4 other decoders.

And every other 3×8 decoder has 3 select inputs (S_4, S_3, S_2)

So totally there are $2 + 3 = 5$ select inputs.

The first 2 one (S_1 and S_0) will help to select other decoder; the last 3 one (S_4, S_3, S_2) will help to select output.