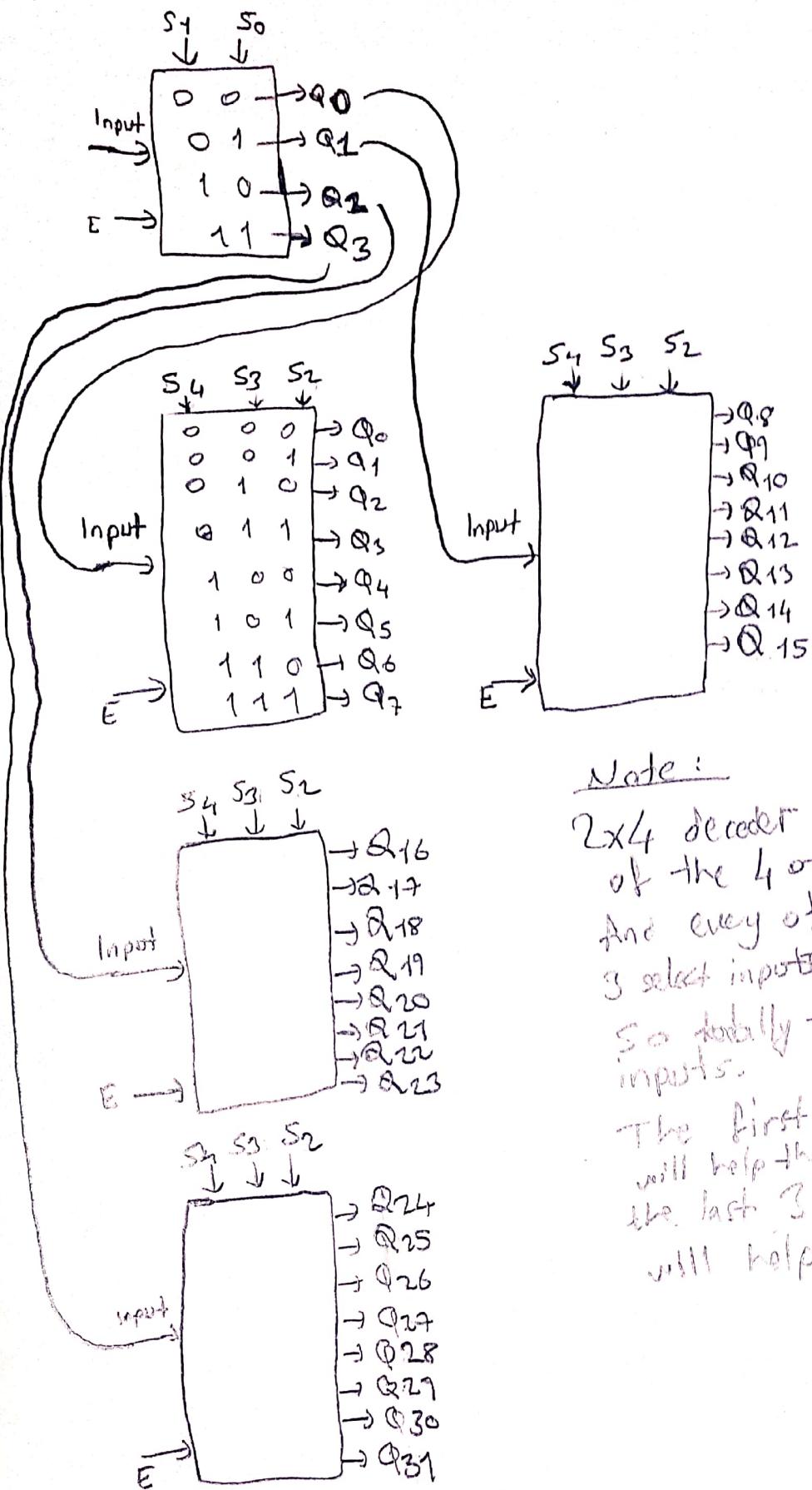


2) Use a 2×4 and 4×8 decoders (with enable input) to create a 5×32 decoder. Draw only the block diagram of your design.



Note:

2x4 decoder will help the select one of the 4 other decoders.
And every other 3x8 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_4 and S_0) will help the select other decoders;
the last 3 one (S_4, S_3, S_2) will help the select output.