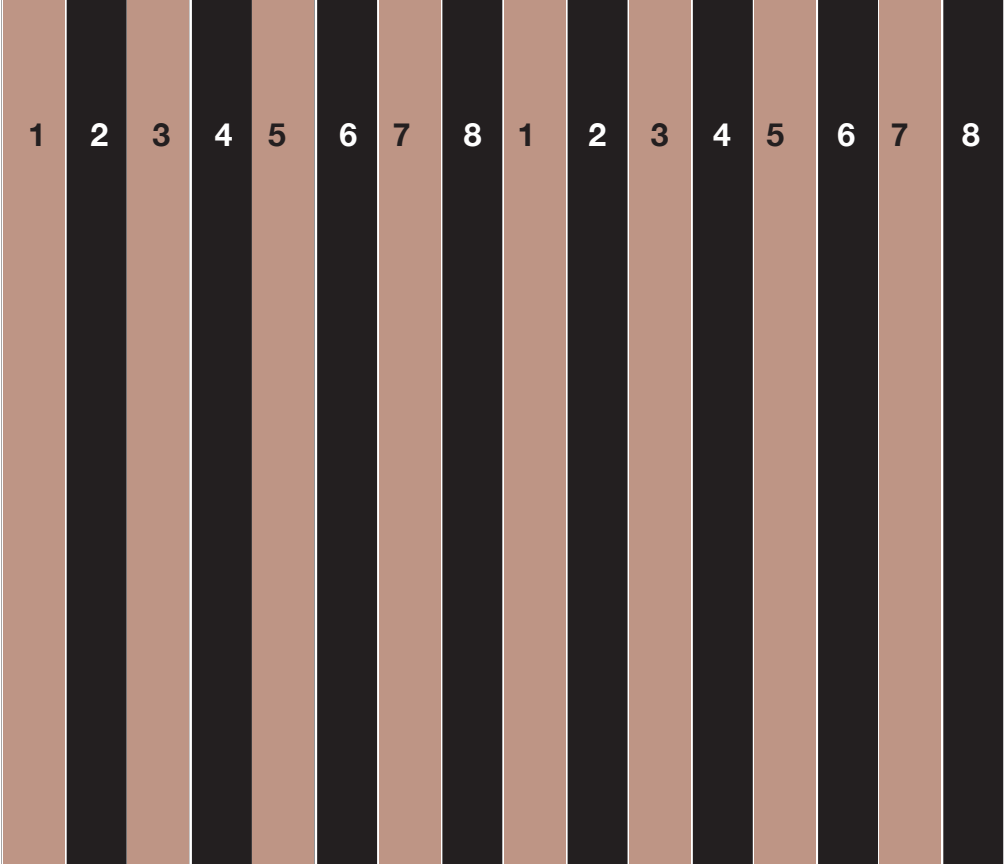
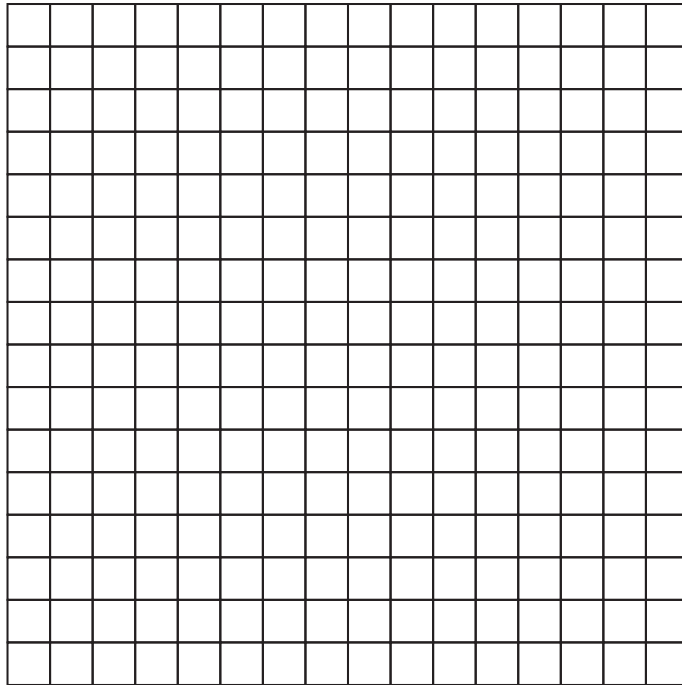


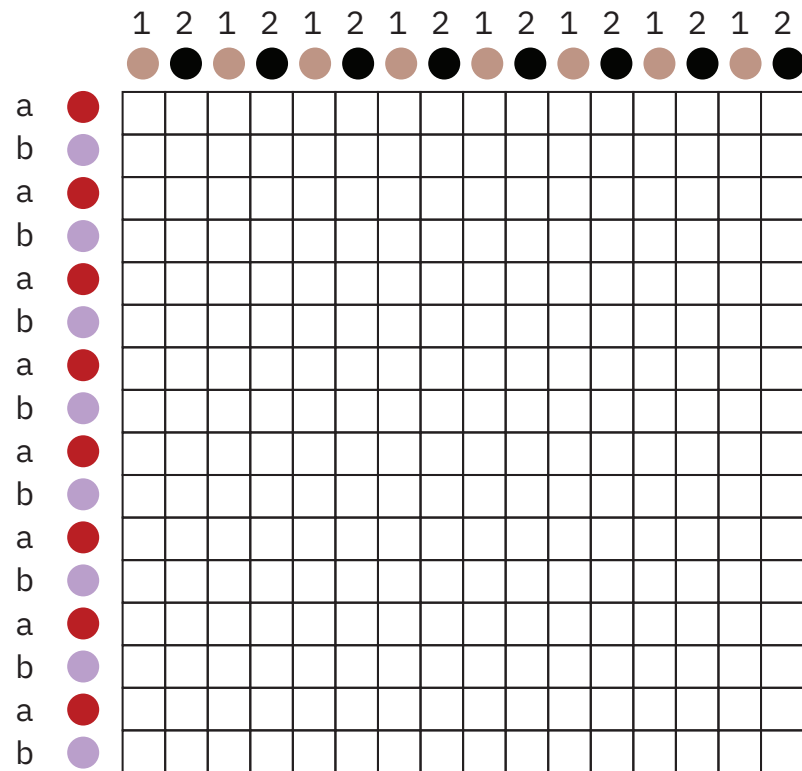
shaft #





task 1:
improvise a 2-layer weave

1. lift all the black warps and then one row of tabby on those black warps with a purple weft; mark any warps you lifted when inserting the weft with a black cell on the draft above
2. lift all the black warps again, and with those out of the way, weave tabby with a red weft on the tan warps; mark all warps you lifted (black and tan) when inserting the weft with a black cell on the next row of the draft above
3. weave the alternating tabby on the black warps only with a purple weft; mark any warps you lifted when inserting the weft with a black cell on the next row of the draft above
4. lift all the black warps out of the way, weave tabby with a red weft on the tan warps; mark all warps you lifted (black and tan) when inserting the weft with a black cell on the next row of the draft above
5. Repeat these steps by following the draft.



task 2: derive a two layer weave

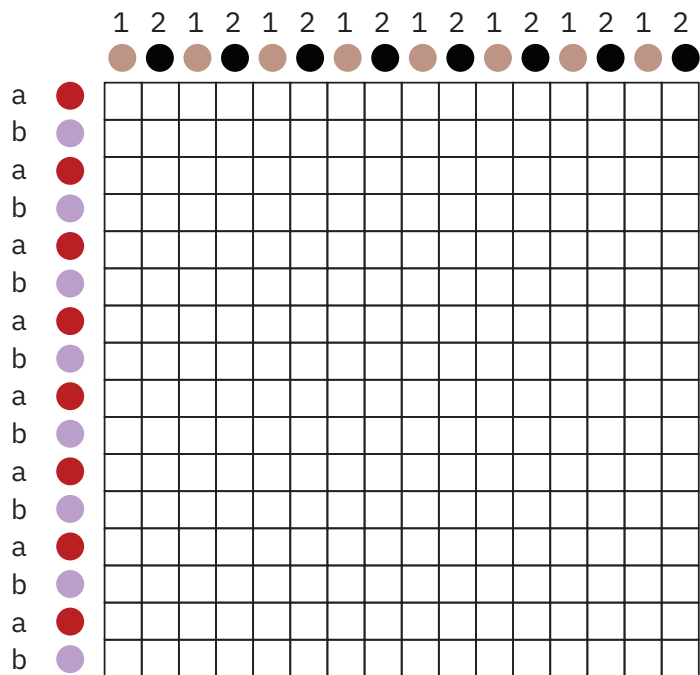
create a draft for weaving purple (b) wefts on tan (1) warps following a tabby pattern on the top layer; and red wefts (a) on black (2) warps on the bottom layer.

1. draft the top layer structure: find all the cells that intersect columns labeled 1 and rows labeled b. Transpose a tabby draft onto those marked cells only.

2. draft the bottom layer: find all the cells that intersect columns labeled 2 with rows labeled a. Transpose a tabby draft onto those marked cells only.

3. mark draft cells used to lift the top layer out of the way when weaving the bottom layer: find all the cells that intersect with columns labeled 1 and rows labeled a. Mark them all as heddle lifts (black cells).

follow the draft to verify if you did it correctly

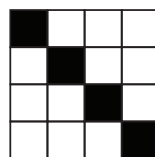


task 3: draft 2-layer twill

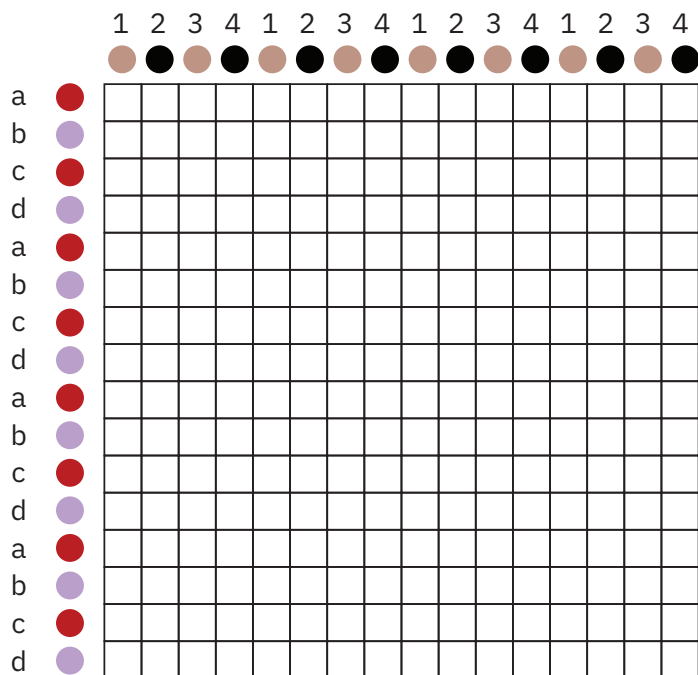
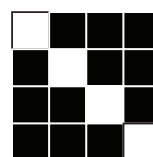
top layer:
1/3 twill on black and red

bottom layer:
3/1 twill on tan and purple

1/3 twill



3/1 twill

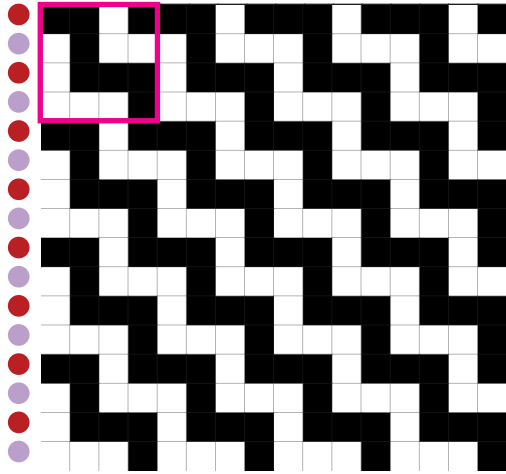


task 4: draft 4-layer tabby

can you figure out how you might draft a 4-layer cloth, where tabby is woven on each of the 4 layers?

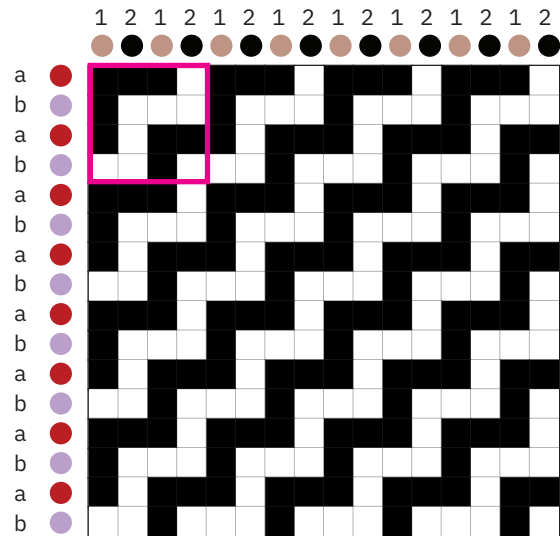
*hint, look at the warp and weft system codes, you'd weave tabby on a1,b2,c3,and d4. When weaving the second layer, you have to lift the first out of the way, when weaving the third layer, you have to lift layers 1 and two out of the way, and so on.

answer key

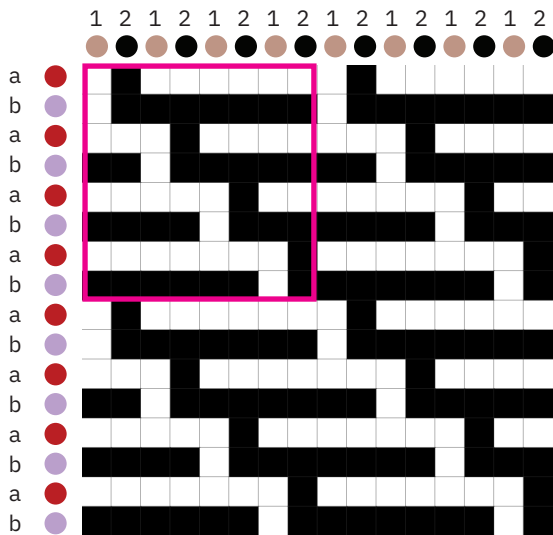


task 1:
improvise a 2-layer weave

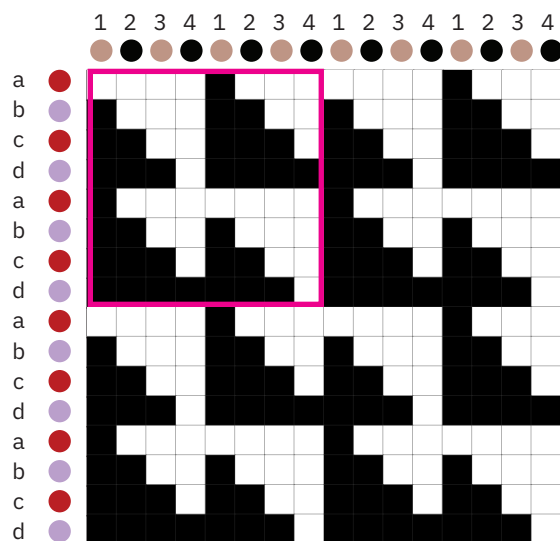
*if you didn't get this exact order, see how yours is different, so long as you alternate between purple and red, any order of the repeat unit will work



task 2:
derive a two layer weave



task 3:
draft 2-layer twill



task 4:
draft 4-layer tabby