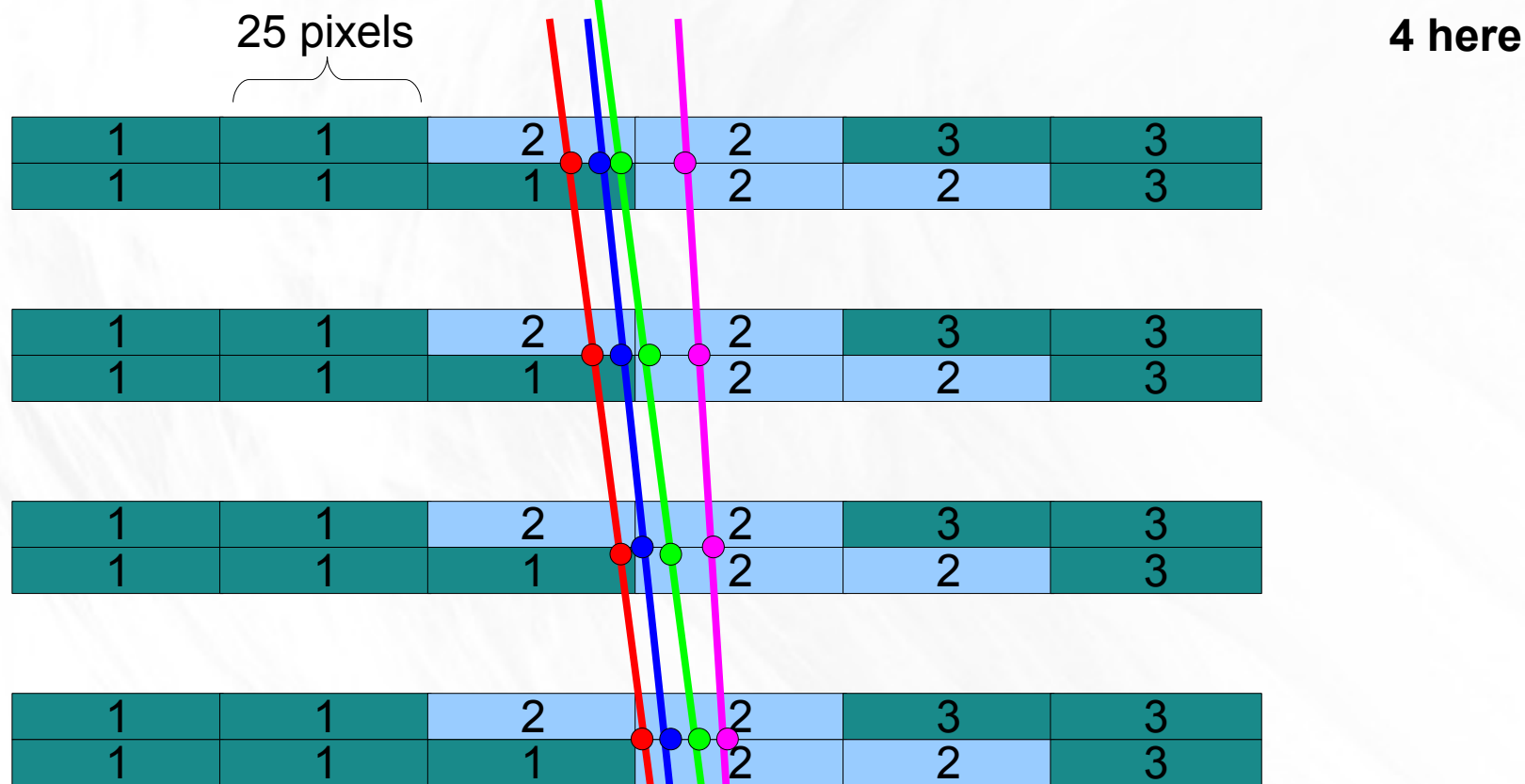


For a given pattern in default bank (2 2 2 2 in the example below), it would seem that there are $2 \times \text{layers}$ possible matches:



● ● ● ●

■

■

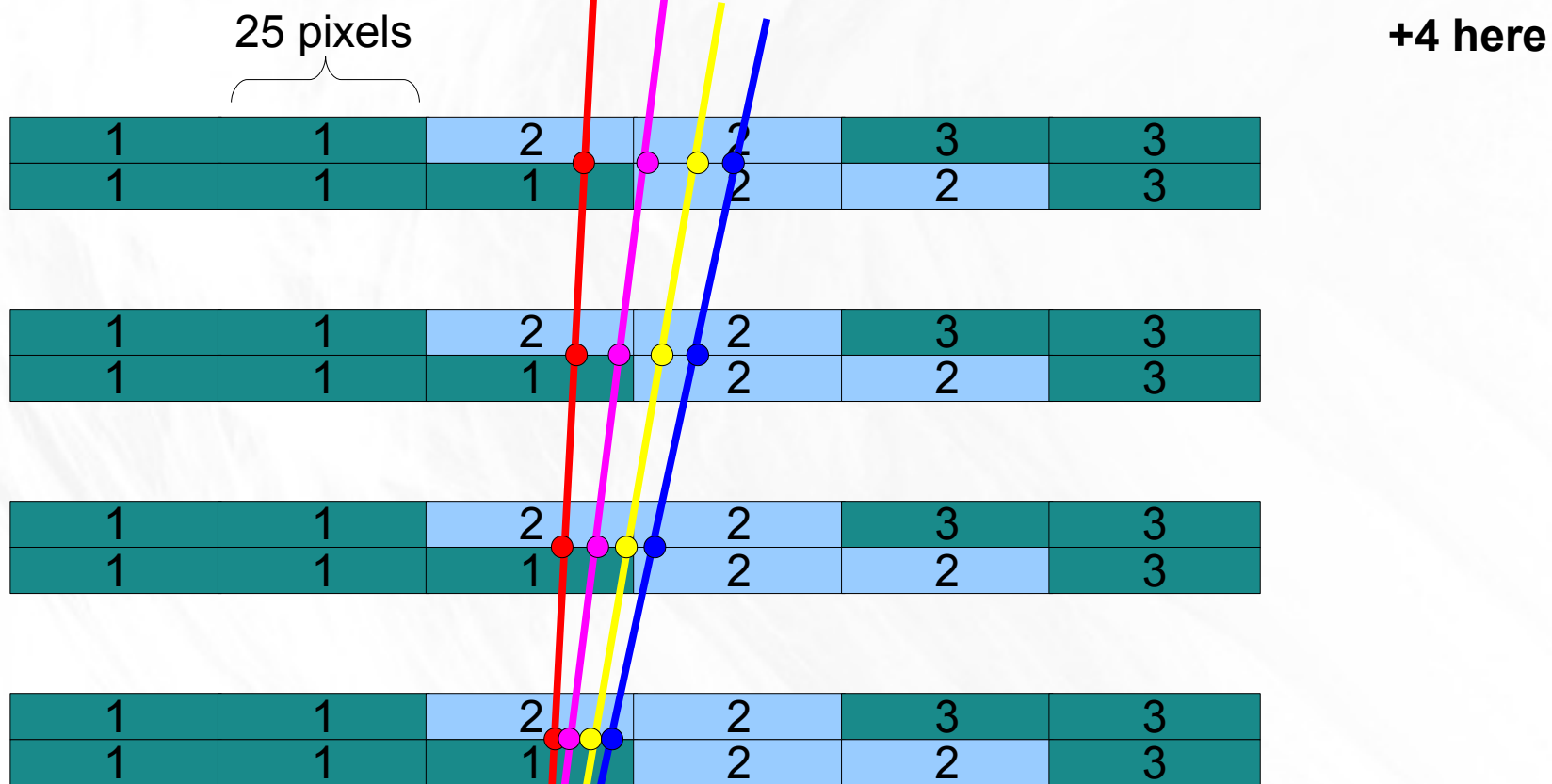
■

■

Default bank: 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

SS-shifted bank: 2 1 1 1 2 2 1 1 2 2 2 1 2 2 2 2

For a given pattern in default bank (2 2 2 2 in the example below), it would seem that there are 2*nlayers possible matches:



● ● ● ●

— — — —

Default bank: 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

SS-shifted bank: 1 1 1 1 1 1 1 2 1 1 2 2 1 2 2 2

But: the picture was wrong! The layers are **not** aligned!

25 pixels

1	1	2	2	3	3
1	1	1	2	2	3

1	1	2	2	3	3
1	1	1	2	2	3

1	1	2	2	3	3
1	1	1	2	2	3

1	1	2	2	3	3
1	1	1	2	2	3



2 2 2 2
2 1 2 1

We have a “cross-match” not enumerated before!

So in general, we cannot make any requirement on matches (such as requiring no not being “crisscrossed”)