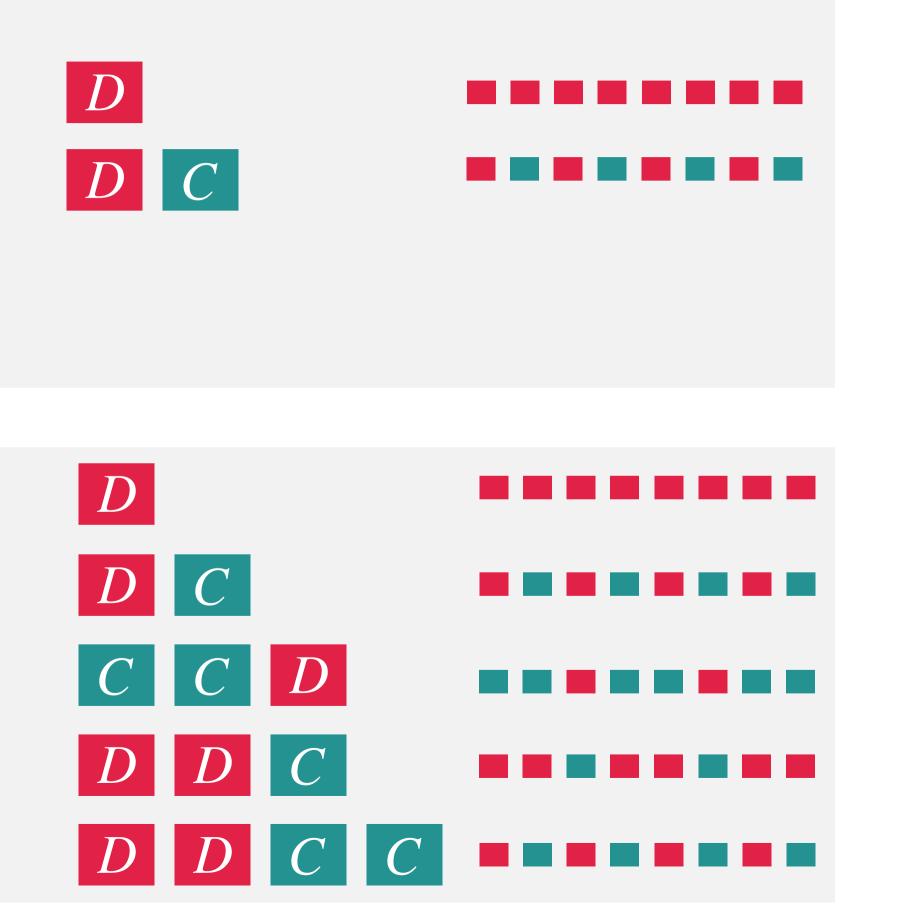


**Baseline Sequence** 



**Repeated Sequence** 

## **Partner Conditions** $p_{DD} \le 1 - \frac{c}{b}$ $p_{CD} + p_{DC} \le 2 - \frac{c}{b} \ (*)$

 $p_{DDD} \le 1 - \frac{c}{h}$ 

 $p_{CDC} + p_{DCD} \le 2 - \frac{c}{h}$ 

 $p_{CCD} + p_{CDC} + p_{DCC} \le 3 - \frac{c}{b}$ 

B

Sequence 
$$\begin{array}{c|c} & D & C & D & C \\ & D & C & D & C \\ & & bp_{DC} & bp_{CD}-c \\ & & bp_{DC} & bp_{CD}-c \\ & & b(p_{CD}+p_{DC})-c \\ & & b(p_{CD}+p_{DC})-c \leq 2(b-c) \\ & & Equivalent \\ & condition: & p_{CD}+p_{DC} \leq 2-\frac{c}{b} \ (*) \\ & & \\ &$$

$$p_{CDC} + p_{DCD} \le 2 - \frac{c}{b}$$

$$p_{CCD} + p_{CDC} + p_{DCC} \le 3 - \frac{c}{b}$$

$$p_{CDD} + p_{DCD} + p_{DCC} \le 3 - 2 \cdot \frac{c}{b} \ (\dagger)$$

$$p_{CCD} + p_{CDD} + p_{DCC} + p_{DDC} \le 4 - 2 \cdot \frac{c}{b}$$

