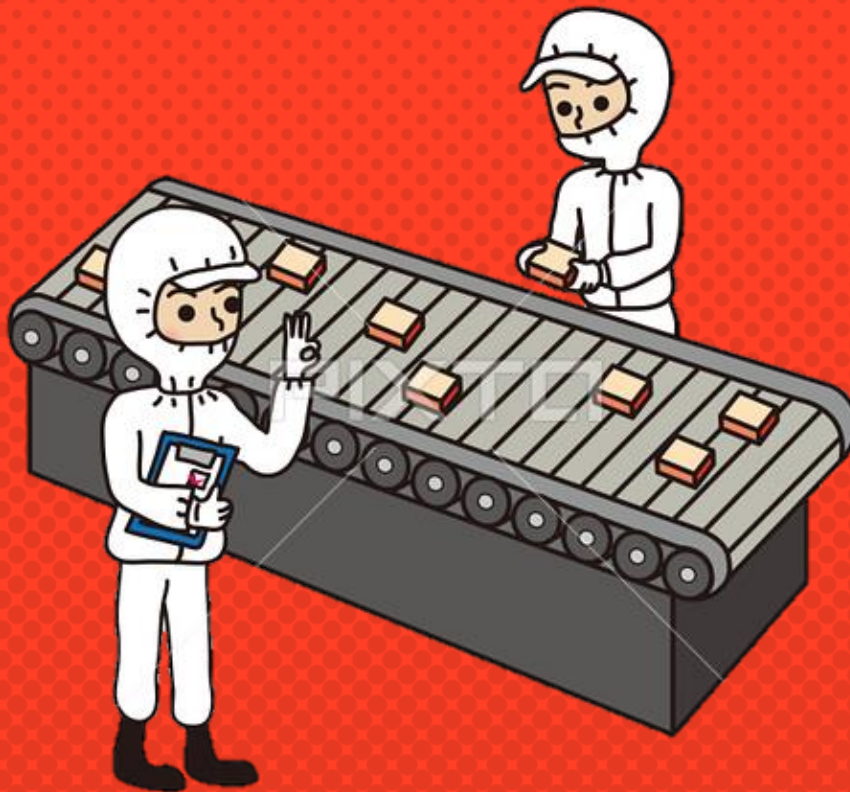
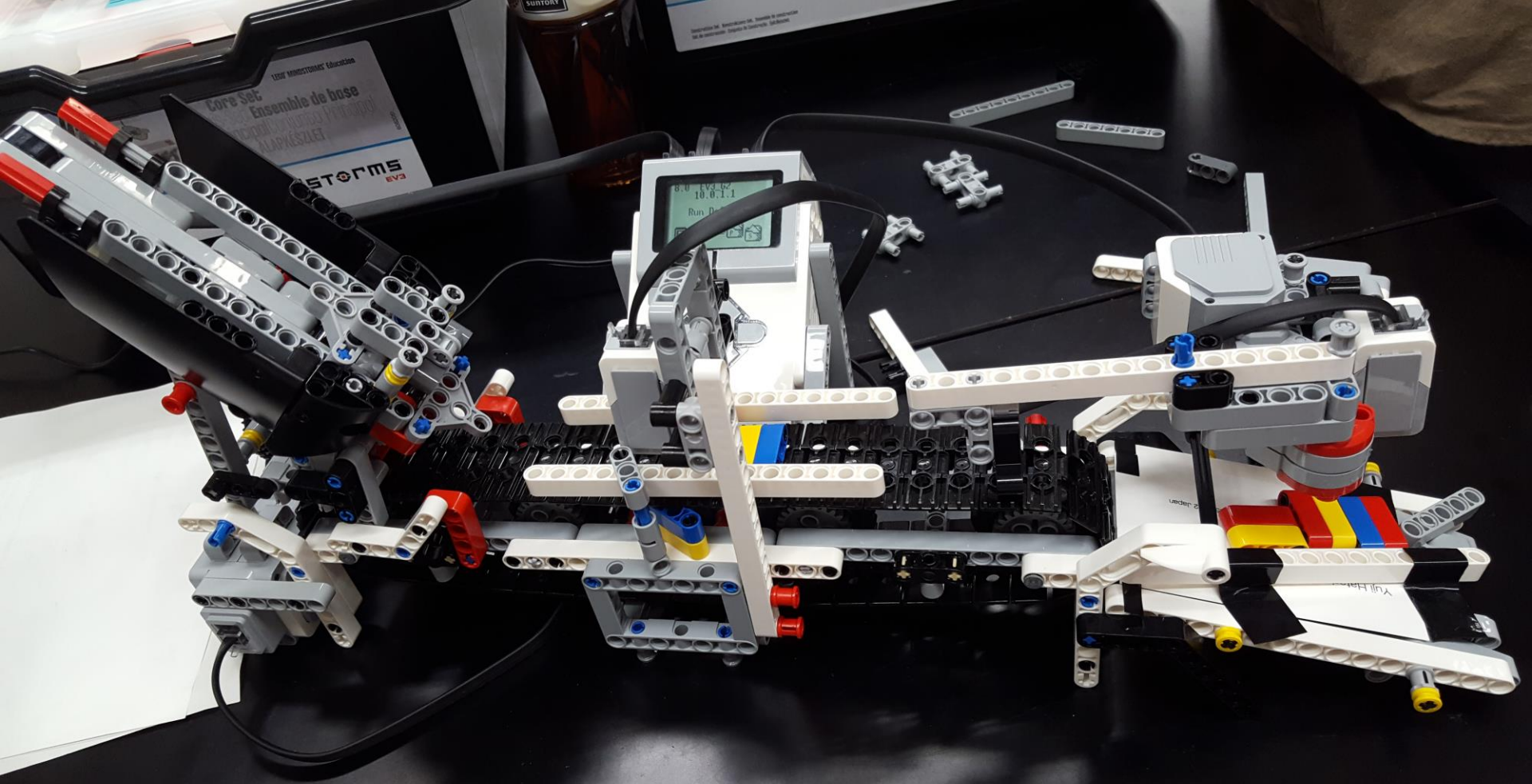


SORTER

Hatada Yuji
Mishima Junpei



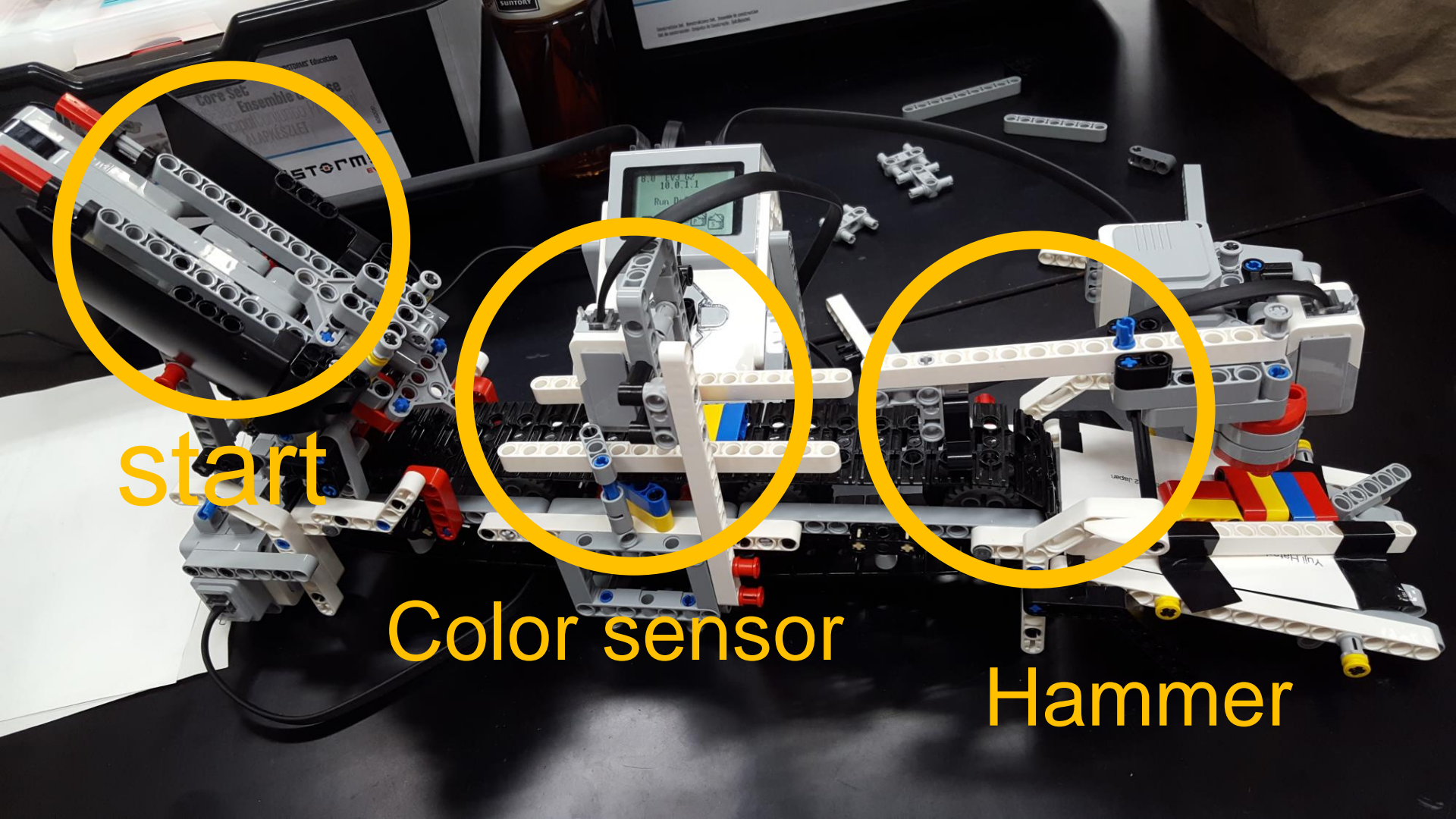


LEGO MINDSTORMS Education
Core Set
Ensemble de base
LEGO MINDSTORMS Education
LEGO MINDSTORMS EV3

8.0 EV3 6.0
10.0.1.1
Run

Yuki

Japan



start

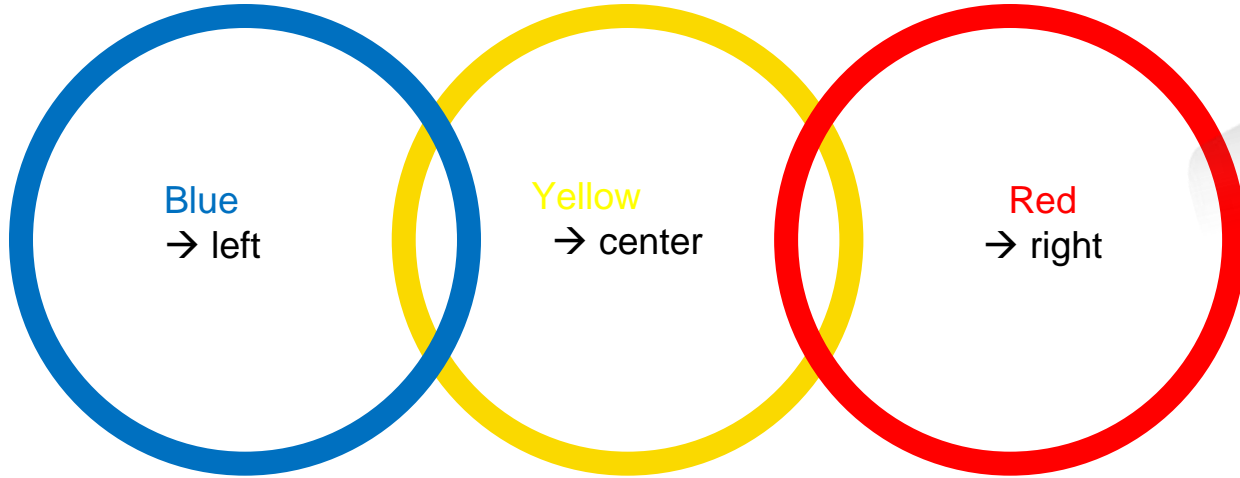
Color sensor

Hammer

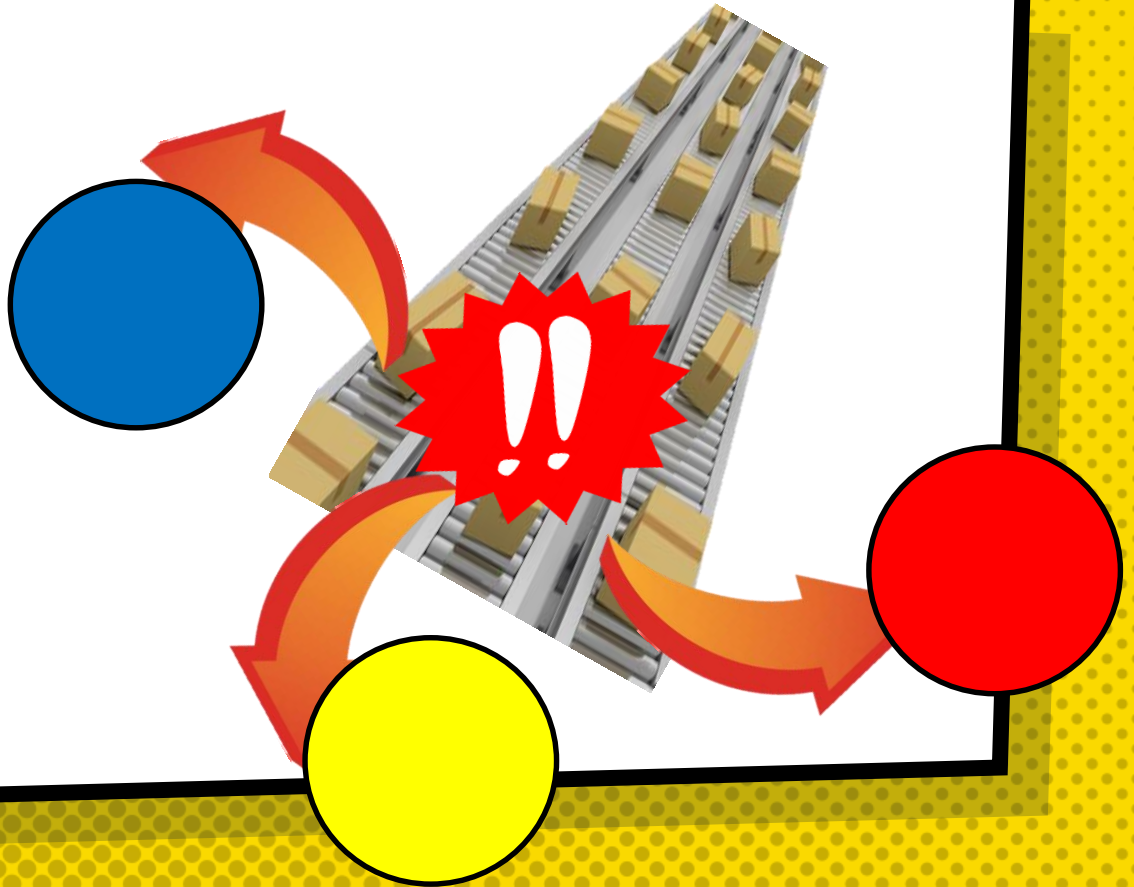


1. SORTER

SORTER



SORTER



VIDEO



IT'S NOT INTELLIGENT.....

**AI DOESN'T MEANS
ONLY
"LEARNING ROBOT" :D**

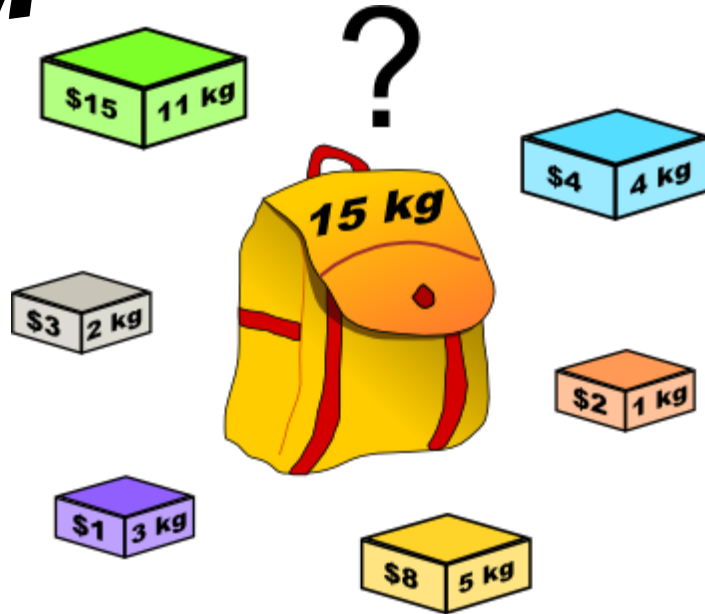


2. KNAPSACK PROBLEM



KNAPSACK PROBLEM

- 1 total value is as large as possible
- 2 total weight is less than to a given limit



BAGGAGE



10kg
¥500



5kg
¥100



15kg
¥500



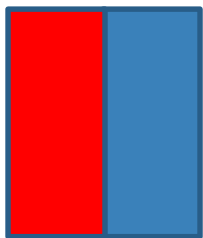
value	weight

EX

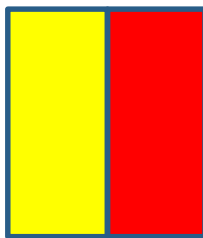
Red ¥100 5kg

Blue ¥500 10kg

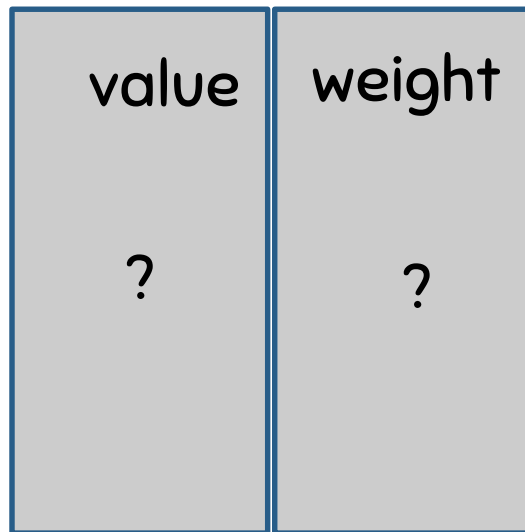
Yellow ¥500 15kg



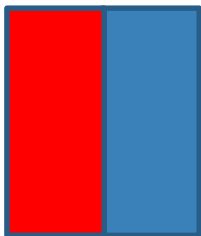
¥100
10kg



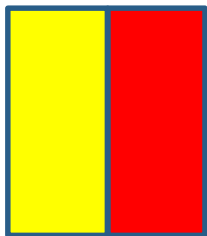
¥500
5kg



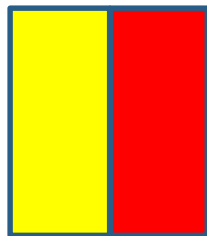
EX WEIGHT 30KG



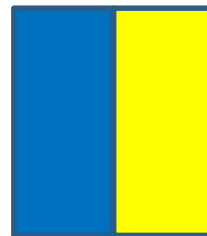
¥100
10kg



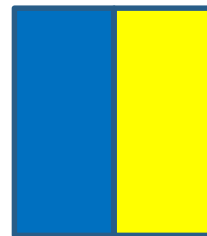
¥500
5kg



¥500
5kg

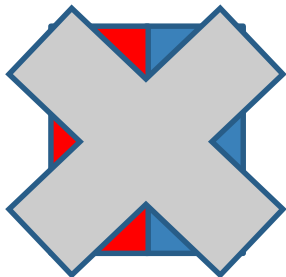


¥300
15kg

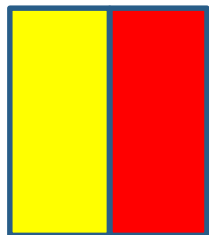


¥300
15kg

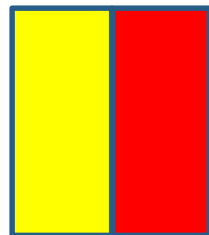
EX WEIGHT 30KG



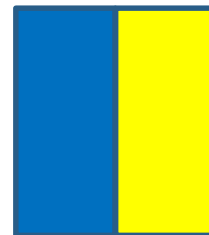
¥100
10kg



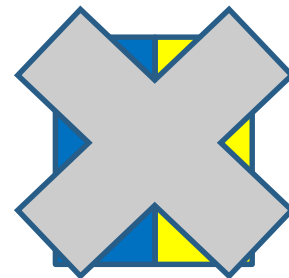
¥500
5kg



¥500
5kg



¥300
15kg



¥300
15kg

VIDEO

FUTURE WORK



THANK YOU

Than kyou



