

## 8. WEEK 8

### **Problem**

On a blackboard we write the numbers  $1, 2, \dots, 20$ . A move consists of selecting two numbers  $a, b$  from the blackboard so that  $b \geq a + 2$ , erasing  $a$  and  $b$  and writing instead  $a + 1$  and  $b - 1$ . Find the maximum number of possible moves.