**Problem 2(max Profit).**

**package** burgers;

**import** java.util.Scanner;

**public** **class** burgers {

**public** **static** **void** main(String args[]) {

Scanner s1=**new** Scanner(System.***in***);

**int** buns,beefs,chicken,bcost,ccost,profit=0;

**int** n=s1.nextInt();

**for**(**int** i=0;i<n;i++) {

profit=0;

buns=s1.nextInt();

beefs=s1.nextInt();

chicken=s1.nextInt();

bcost=s1.nextInt();

ccost=s1.nextInt();

**if**(bcost>=ccost) {

**if**((buns/2)>=beefs) {

profit=beefs\*bcost;

buns=(buns/2)-beefs;

**if**(buns>=chicken) {

profit=profit+chicken\*ccost;

}**else**{

profit=profit+buns\*ccost;

}

}**else** {

profit=(buns/2)\*bcost;

}

}**else** {

**if**((buns/2)>=chicken) {

profit=chicken\*ccost;

buns=(buns/2)-chicken;

**if**(buns>=beefs) {

profit=profit+beefs\*bcost;

}**else**{

profit=profit+buns\*bcost;

}

}**else** {

profit=(buns/2)\*ccost;

}

}

System.***out***.println(profit);

}

}

}