**class** Product {

**static** **void** findProduct(**long**[] arr, **int**[] lower,

**int**[] upper)

{

**int** n = arr.length;

**long**[] preProd = **new** **long**[n];

**int**[] countZeros = **new** **int**[n];

**long** prod = 1;

**int** count = 0;

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

**if** (arr[i] == 0)

count++;

**else**

prod \*= arr[i];

preProd[i] = prod;

countZeros[i] = count;

}

**for** (**int** i = 0; i < lower.length; i++) {

**int** l = lower[i];

**int** u = upper[i];

**if** (l == 1)

{

**if** (countZeros[u - 1] == 0)

System.***out***.println(preProd[u - 1]);

**else**

System.***out***.println(0);

}

**else**

{

**if** (countZeros[u - 1] - countZeros[l - 2] == 0)

System.***out***.println(preProd[u - 1] / preProd[l - 2]);

**else**

System.***out***.println(0);

}

}

}

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

{

**long**[] arr = **new** **long**[] { 0, 2, 3, 4, 5 };

**int**[] lower = {1, 2};

**int**[] upper = {3, 2};

*findProduct*(arr, lower, upper);

}

}