/\*

PROG: hayexp

LANG: C++

ID: hayk.sa1

\*/

#include <stdio.h>

int a[510];

int main()

{

freopen("hayexp.in", "r", stdin);

freopen("hayexp.out", "w", stdout);

int n, m, s, p, q, i, j;

scanf("%d%d", &n, &m);

for (i = 0; i < n; i++)

scanf("%d", a+i);

for (i = 0; i < m; i++)

{

s = 0;

scanf("%d%d", &p, &q);

for (j = p-1; j < q; j++)

s += a[j];

printf("%d\n", s);

}

return 0;

}