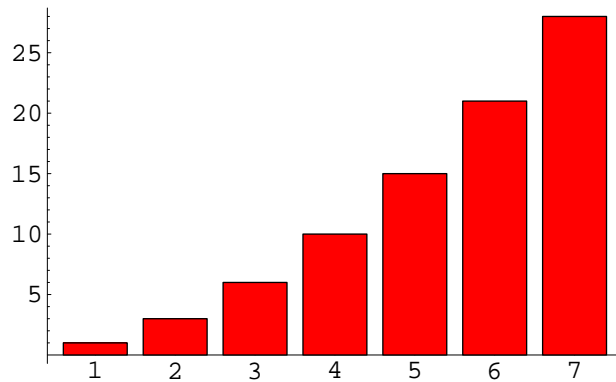


```
In[1]:= (* Two Einstein Solids in contact *)
(* ----- *)
<< Graphics`
Off[General::spell1]
om[n_, q_] := Binomial[n + q - 1, q]
```

```
In[4]:= na = 3;
qtot = 6;
lista = Table[om[na, q], {q, 0, qtot}]
BarChart[lista]
```

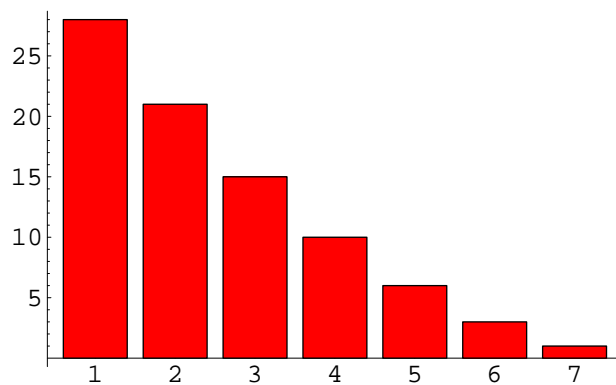
```
Out[6]= {1, 3, 6, 10, 15, 21, 28}
```



```
Out[7]= - Graphics -
```

```
In[8]:= listb = Table[om[na, q], {q, qtot, 0, -1}]
BarChart[listb]
```

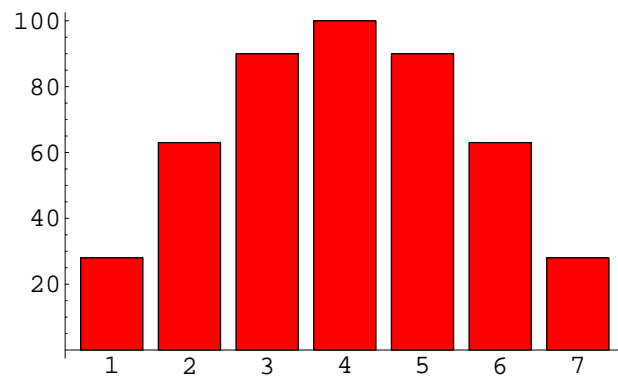
```
Out[8]= {28, 21, 15, 10, 6, 3, 1}
```



```
Out[9]= - Graphics -
```

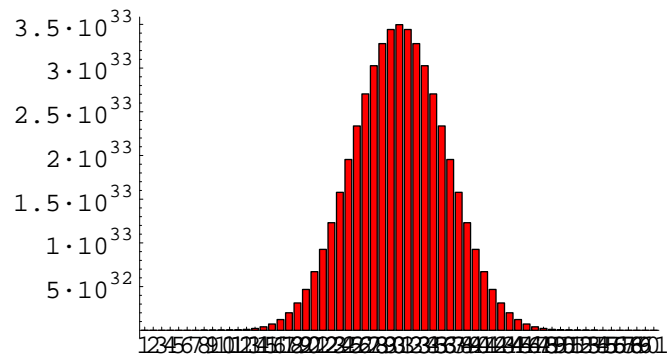
```
In[10]:= listab = lista * listb
BarChart[listab]
```

```
Out[10]= {28, 63, 90, 100, 90, 63, 28}
```



```
Out[11]= - Graphics -
```

```
In[12]:= na = 30;
qtot = 60;
lista = Table[om[na, q], {q, 0, qtot}];
listb = Table[om[na, q], {q, qtot, 0, -1}];
listab = lista * listb;
BarChart[listab]
```



```
Out[17]= - Graphics -
```