

```
 $\beta = BR[4, \{-2, -3, -2, 1, -2, 1, -2, 1, 3, -2, 1\}];$   
{ $g = EG[\beta, Labels \rightarrow True, GraphLayout \rightarrow Automatic, ImageSize \rightarrow Large],$   
   $VertexCount@g - 1, Length@\beta[[2]]$ }
```