

```
Rank [pd_PD, r_, deg_] := (  
  B0 = KC [pd, r, deg];  
  B1 = KC [pd, r + 1, deg];  
  If [B0 == {} ∨ B1 == {}, 0,  
    dB0 = dd [pd] [B0];  
    MatrixRank [Table [Coefficient [db0, b1],  
      {db0, dB0}, {b1, B1}]]  
  ]  
);
```