

```
(Alt) In[ ]:= d[1, m_] /; m >= 1 := 0;
d[_, 0] = 1;
d[n_, m_] := d[n, m] = (n - 1) d[n, m - 1] + d[n - 1, m];
```

```
(Alt) In[ ]:= Table[d[m, n], {n, 10}, {m, 10}] // MatrixForm
```

```
(Alt) Out[ ]//MatrixForm=


|   |   |      |        |          |           |            |             |              |             |
|---|---|------|--------|----------|-----------|------------|-------------|--------------|-------------|
| 0 | 1 | 3    | 6      | 10       | 15        | 21         | 28          | 36           | 45          |
| 0 | 1 | 7    | 25     | 65       | 140       | 266        | 462         | 750          | 1155        |
| 0 | 1 | 15   | 90     | 350      | 1050      | 2646       | 5880        | 11880        | 22275       |
| 0 | 1 | 31   | 301    | 1701     | 6951      | 22827      | 63987       | 159027       | 359502      |
| 0 | 1 | 63   | 966    | 7770     | 42525     | 179487     | 627396      | 1899612      | 5135130     |
| 0 | 1 | 127  | 3025   | 34105    | 246730    | 1323652    | 5715424     | 20912320     | 67128495    |
| 0 | 1 | 255  | 9330   | 145750   | 1379400   | 9321312    | 49329280    | 216627840    | 820784256   |
| 0 | 1 | 511  | 28501  | 611501   | 7508501   | 63436373   | 408741333   | 2141764053   | 952882235   |
| 0 | 1 | 1023 | 86526  | 2532530  | 40075035  | 420693273  | 3281882604  | 20415995028  | 1061753950  |
| 0 | 1 | 2047 | 261625 | 10391745 | 210766920 | 2734926558 | 25708104786 | 189036065010 | 11446146200 |


```