

```
Exit [];
```

n = 10 ;

```
x[i_] := 1 / (n - 1) * (i - 1)
```

```
Table[x[i], {i, 10}]
```

$$\left\{0, \frac{1}{9}, \frac{2}{9}, \frac{1}{3}, \frac{4}{9}, \frac{5}{9}, \frac{2}{3}, \frac{7}{9}, \frac{8}{9}, 1\right\}$$

```
M = Table[Table[If[j == 0, 1, x[i]^j], {j, 0, n+1}], {i, n}]
```

1.	0.	0.	0.	0.	0.	0.	0.
1.	0.111111	0.0123457	0.00137174	0.000152416	0.0000169351	1.88168×10^{-6}	2.09075×10^{-7}
1.	0.222222	0.0493827	0.0109739	0.00243865	0.000541923	0.000120427	0.0000267616
1.	0.333333	0.111111	0.037037	0.0123457	0.00411523	0.00137174	0.000457247
1.	0.444444	0.197531	0.0877915	0.0390184	0.0173415	0.00770735	0.00342549
1.	0.555556	0.308642	0.171468	0.0952599	0.0529221	0.0294012	0.016334
1.	0.666667	0.444444	0.296296	0.197531	0.131687	0.0877915	0.0585277
1.	0.777778	0.604938	0.470508	0.36595	0.284628	0.221377	0.172182
1.	0.888889	0.790123	0.702332	0.624295	0.554929	0.49327	0.438462
1.	1.	1.	1.	1.	1.	1.	1.