```
> restart;
> n:=3;
```

$$n := 3 \tag{1}$$

```
> x:=2;
```

$$x := 2 \tag{2}$$

```
> c:=Vector(n+1):
  d:=Vector(n+1):
> for i from 0 to n do
    Sc:=0;
    Sd:=0;
    for j from 0 to n do
      Lambda:=(-1)^(i+j)*sum(binomial(k,i)*abs(Stirling1(k,j))/k!,
  k=max(i,j)..n);
      Sc:=Sc+Lambda*x^j;
      if j > 0 then
        Sd:=Sd+j*Lambda*x^(j-1);
      fi;
    od:
    c[i+1]:=Sc;
    d[i+1]:=Sd;
> od:
> c;
```

$$\begin{bmatrix} 0 \\ 0 \\ 1 \\ 0 \end{bmatrix} \tag{3}$$

```
> d;
```

$$\begin{bmatrix} \frac{1}{6} \\ -1 \\ \frac{1}{2} \\ \frac{1}{3} \end{bmatrix} \tag{4}$$