

In> PrettyForm(P);

```
/
| ( 0 ) ( 0 ) ( 0 ) ( 1 ) ( 0 ) ( 0 ) ( 0 )
| / -1 \ / 3 \ / -3 \ ( 0 ) / 3 \ / -3 \ / 1 \
| | -- | | -- | | -- | | - | | -- | | -- |
| \ 60 / \ 20 / \ 4 / \ 4 / \ 20 / \ 60 /
|
| / 1 \ / -3 \ / 3 \ / -49 \ / 3 \ / -3 \ / 1 \
| | --- | | -- | | - | | --- | | - | | -- | | --- |
| \ 180 / \ 40 / \ 4 / \ 36 / \ 4 / \ 40 / \ 180 /
|
| / 1 \ / -1 \ / 13 \ ( 0 ) / -13 \ / 1 \ / -1 \
| | -- | | -- | | -- | | --- | | - | | -- |
| \ 48 / \ 6 / \ 48 / \ 48 / \ 6 / \ 48 /
|
| / -1 \ / 1 \ / -13 \ / 7 \ / -13 \ / 1 \ / -1 \
| | --- | | -- | | --- | | -- | | --- | | -- | | --- |
| \ 144 / \ 12 / \ 48 / \ 18 / \ 48 / \ 12 / \ 144 /
|
| / -1 \ / 1 \ / -1 \ ( 0 ) / 1 \ / -1 \ / 1 \
| | --- | | -- | | -- | | --- | | -- | | --- |
| \ 240 / \ 60 / \ 48 / \ 48 / \ 60 / \ 240 /
|
| / 1 \ / -1 \ / 1 \ / -1 \ / 1 \ / -1 \ / 1 \
| | --- | | --- | | -- | | -- | | -- | | --- | | --- |
| \ 720 / \ 120 / \ 48 / \ 36 / \ 48 / \ 120 / \ 720 /
\
```

Out> True

In> PT := Transpose(P);

In> X15 := { 1, (1/2), (1/2)^2, (1/2)^3, (1/2)^4, (1/2)^5, (1/2)^6 }

Out> {1,1/2,1/4,1/8,1/16,1/32,1/64}

In> Y := PT \* X15;

Out> {(-5)/1024,21/512,(-175)/1024,175/256,525/1024,(-35)/512,7/1024}

In> quit;

Quitting...