In[•]:=
```
conedeletionthreshold[{{0, 1, -1, 0, -1, 1, 0, 1}, {1, 0, -1, 0, -1, 1, 0, 1}, {-1, -1, 0, 0, -1, 1, 0, 1}, {0, 0, 0, 0, -1, 1, 0, 1}, {-1, -1, -1, -1, 0, 1, 0, 1}, {1, 1, 1, 1, 1, 0, 0, 1}, {0, 0, 0, 0, 0, 0, 0, 1}, {1, 1, 1, 1, 1, 1, 1, 0}}, λ, u, "even"]
```

Out[•]=
$$(-3+\lambda)\,(-1+\lambda)\,\left(424\,u+80\,u^2-440\,\lambda-650\,u\,\lambda-36\,u^2\,\lambda+618\,\lambda^2+325\,u\,\lambda^2+4\,u^2\,\lambda^2-345\,\lambda^3-71\,u\,\lambda^3+99\,\lambda^4+6\,u\,\lambda^4-15\,\lambda^5+\lambda^6\right)$$

In[•]:=
```
conedeletionthreshold[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, u, "even"]
conedeletionthreshold[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, u, "odd"]
conedeletionthreshold[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, 0, "even"]
conedeletionthreshold[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, 0, "odd"]
```

Out[•]=
$$(-3+\lambda)\,(-1+\lambda)\,\left(424\,u+80\,u^2-440\,\lambda-650\,u\,\lambda-36\,u^2\,\lambda+618\,\lambda^2+325\,u\,\lambda^2+4\,u^2\,\lambda^2-345\,\lambda^3-71\,u\,\lambda^3+99\,\lambda^4+6\,u\,\lambda^4-15\,\lambda^5+\lambda^6\right)$$

Out[•]=
$$(-3+\lambda)\,(-1+\lambda)\,\left(328+488\,u+80\,u^2-792\,\lambda-666\,u\,\lambda-36\,u^2\,\lambda+738\,\lambda^2+325\,u\,\lambda^2+4\,u^2\,\lambda^2-359\,\lambda^3-71\,u\,\lambda^3+99\,\lambda^4+6\,u\,\lambda^4-15\,\lambda^5+\lambda^6\right)$$

Out[•]=
$$(-3+\lambda)\,(-2+\lambda)\,(-1+\lambda)\,\lambda\,\left(220-199\,\lambda+73\,\lambda^2-13\,\lambda^3+\lambda^4\right)$$

Out[•]=
$$(-3+\lambda)\,(-1+\lambda)^2\,\left(-328+464\,\lambda-274\,\lambda^2+85\,\lambda^3-14\,\lambda^4+\lambda^5\right)$$

In[•]:=
```
conedeletionthreshold[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, u, "even"] //
 AbsoluteTiming
inclexclambdau[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, u, "even"] //
 AbsoluteTiming
```

Out[•]=
$$\left\{0.003724,\ (-3+\lambda)\,(-1+\lambda)\,\left(424\,u+80\,u^2-440\,\lambda-650\,u\,\lambda-36\,u^2\,\lambda+618\,\lambda^2+325\,u\,\lambda^2+4\,u^2\,\lambda^2-345\,\lambda^3-71\,u\,\lambda^3+99\,\lambda^4+6\,u\,\lambda^4-15\,\lambda^5+\lambda^6\right)\right\}$$

Out[•]=
$$\left\{250.779,\ (-3+\lambda)\,(-1+\lambda)\,\left(424\,u+80\,u^2-440\,\lambda-650\,u\,\lambda-36\,u^2\,\lambda+618\,\lambda^2+325\,u\,\lambda^2+4\,u^2\,\lambda^2-345\,\lambda^3-71\,u\,\lambda^3+99\,\lambda^4+6\,u\,\lambda^4-15\,\lambda^5+\lambda^6\right)\right\}$$

In[•]:=
```
conedeletionthreshold[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, u, "odd"] //
 AbsoluteTiming
inclexclambdau[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, u, "odd"] //
 AbsoluteTiming
```

Out[•]=
$$\left\{0.008801,\ (-3+\lambda)\,(-1+\lambda)\,\left(328+488\,u+80\,u^2-792\,\lambda-666\,u\,\lambda-36\,u^2\,\lambda+738\,\lambda^2+325\,u\,\lambda^2+4\,u^2\,\lambda^2-359\,\lambda^3-71\,u\,\lambda^3+99\,\lambda^4+6\,u\,\lambda^4-15\,\lambda^5+\lambda^6\right)\right\}$$

Out[•]=
$$\left\{253.854,\ (-3+\lambda)\,(-1+\lambda)\,\left(328+488\,u+80\,u^2-792\,\lambda-666\,u\,\lambda-36\,u^2\,\lambda+738\,\lambda^2+325\,u\,\lambda^2+4\,u^2\,\lambda^2-359\,\lambda^3-71\,u\,\lambda^3+99\,\lambda^4+6\,u\,\lambda^4-15\,\lambda^5+\lambda^6\right)\right\}$$

```
In[•]:= conedeletionthreshold[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, 0, "even"] //
         AbsoluteTiming
        inclexclambdau[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, 0, "even"] //
         AbsoluteTiming
```

$$\text{Out[•]= } \left\{0.003399,\ (-3+\lambda)\ (-2+\lambda)\ (-1+\lambda)\ \lambda\ \left(220-199\,\lambda+73\,\lambda^2-13\,\lambda^3+\lambda^4\right)\right\}$$

$$\text{Out[•]= } \left\{245.85,\ (-3+\lambda)\ (-2+\lambda)\ (-1+\lambda)\ \lambda\ \left(220-199\,\lambda+73\,\lambda^2-13\,\lambda^3+\lambda^4\right)\right\}$$

```
In[•]:= conedeletionthreshold[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, 0, "odd"] //
         AbsoluteTiming
        inclexclambdau[adjsignedthreshold[{1, -1, 0, -1, 1, 0, 1}], λ, 0, "odd"] //
         AbsoluteTiming
```

$$\text{Out[•]= } \left\{0.007914,\ (-3+\lambda)\ (-1+\lambda)^2\ \left(-328+464\,\lambda-274\,\lambda^2+85\,\lambda^3-14\,\lambda^4+\lambda^5\right)\right\}$$

$$\text{Out[•]= } \left\{246.949,\ (-3+\lambda)\ (-1+\lambda)^2\ \left(-328+464\,\lambda-274\,\lambda^2+85\,\lambda^3-14\,\lambda^4+\lambda^5\right)\right\}$$