

first order

$$S(n) = x_1 S(n-1) + e$$

pth order

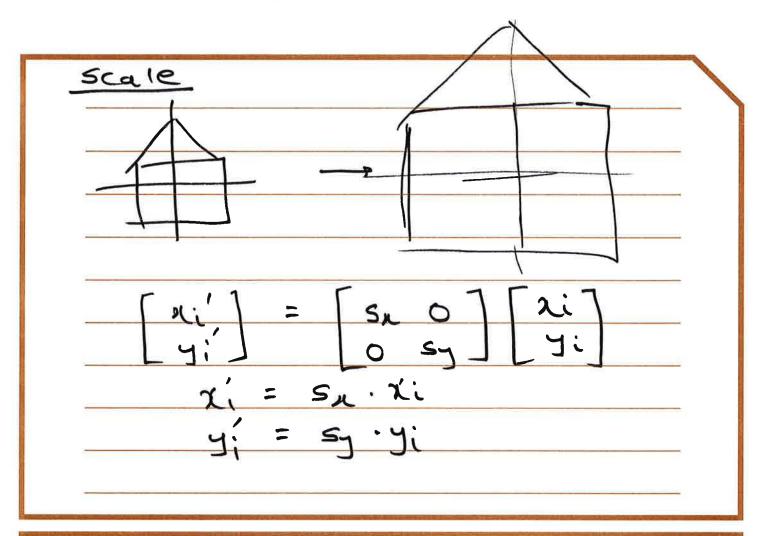
$$S(n) = \sum_{k=1}^{p} x_k S(n-k) + e$$

$$S(i) = \sum_{k=1}^{p} x_k S(|i-k|) + e$$

$$K=1$$

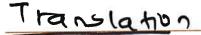
$$s(3) = \alpha_1 s(2) + \alpha_2 s(1) + \alpha_3 s(0) + \cdots$$

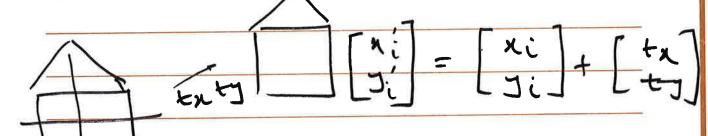
(5(0) 5(1) 5(2) 5(p-1)	[ * 1 ]	Ec)					
5(1) 5(0) 5(1) 5(P-L)	X L	5(1)					
3(2) 3(1) 3(0) 5(p-3)	<b> </b> <3	- ;					
	\ ·.	'					
s(p-1) s(p-1) s(p-3) 5(0)	48	7 (3(6)					



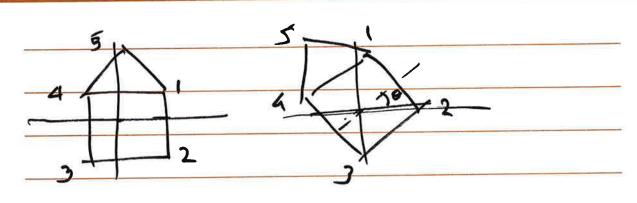
homogen	eous					
_ [ xi ]		_	0	tx 1	ni	
_ Ji	=	D	\	4	yi	
_		_ O	0		_ 1 _	]
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		sine	<b>Co</b>	0 80	1 yi	
7		0		\ -	111	J
<b>1</b>		Sx	0	17	[xi]	
		0	S	1	7:	
•		LO	0	\	L 1	1

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### Rotation



$$\begin{bmatrix} \chi_i' \end{bmatrix} = \begin{bmatrix} \cos \theta & -\sin \theta \end{bmatrix} \begin{bmatrix} \chi_i \\ \sin \theta & \cos \theta \end{bmatrix} \begin{bmatrix} \chi_i \\ \end{bmatrix}$$

### 3P compression

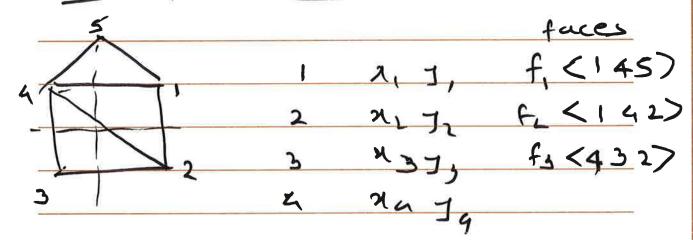
revinces faces

2 7

0 2, 4, 2, f, < 0 | 2> 1 2, 1, 2, f, < 0 | 2>

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# 2D representation



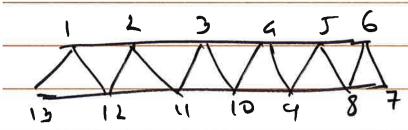
## space requirements

n 2n Jn Zn f

each coordinate as a "float"

96n + 6nlogn

### tri strips



f(1121) 13 1 12 2 11 3 f(1212) 10 4 9 5 8 f(21211) 6 7 f(2113)

