

Clustering english letters

Matrix

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
A	1	0.8	0.6	0.8	0.8	0.8	0.6	0.5	0.4	0.4	0.6	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.4	0.5	0.3
B	0.8	1	0.7	0.8	0.9	0.9	0.7	0.6	0.4	0.4	0.6	0.4	0.4	0.5	0.8	0.7	0.8	0.6	0.6	0.5	0.6	0.6	0.5	0.4	0.5	0.3
C	0.6	0.7	1	0.7	0.6	0.6	0.8	0.5	0.4	0.4	0.6	0.4	0.4	0.5	0.7	0.7	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.4	0.5	0.3
D	0.8	0.8	0.7	1	0.8	0.8	0.7	0.6	0.5	0.4	0.6	0.5	0.4	0.5	0.8	0.7	0.8	0.8	0.6	0.5	0.6	0.6	0.6	0.4	0.5	0.3
E	0.8	0.9	0.6	0.8	1	0.6	0.5	0.4	0.5	0.8	0.7	0.8	0.8	0.6	0.5	0.4	0.5	0.8	0.7	0.6	0.6	0.4	0.6	0.4	0.3	0.3
F	0.8	0.9	0.6	0.8	0.6	1	0.8	0.5	0.4	0.4	0.6	0.5	0.4	0.5	0.8	0.7	0.8	0.6	0.5	0.6	0.6	0.6	0.6	0.4	0.5	0.3
G	0.6	0.7	0.8	0.7	0.5	0.8	1	0.6	0.4	0.4	0.6	0.4	0.4	0.5	0.6	0.7	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.4	0.5	0.3
H	0.5	0.6	0.5	0.6	0.4	0.5	0.6	1	0.4	0.4	0.6	0.4	0.4	0.5	0.6	0.6	0.6	0.8	0.6	0.5	0.6	0.6	0.5	0.4	0.3	0.3
I	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	1	0.6	0.5	0.4	0.5	0.6	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.7	0.6	0.6
J	0.4	0.4	0.4	0.4	0.8	0.4	0.4	0.4	0.6	1	0.5	0.8	0.8	0.6	1	0.5	0.8	0.6	0.6	0.8	0.5	0.4	0.6	0.4	0.4	0.3
K	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.5	0.5	1	0.7	0.8	0.8	0.6	0.8	0.6	0.5	0.6	0.5	0.6	0.6	0.5	0.4	0.4	0.2
L	0.4	0.4	0.4	0.5	0.8	0.5	0.4	0.4	0.4	0.8	0.7	1	0.5	0.8	0.7	0.8	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.4	0.4	0.3
M	0.4	0.4	0.4	0.4	0.8	0.4	0.4	0.4	0.5	0.7	0.8	0.5	1	0.6	0.5	0.4	0.5	0.6	0.4	0.6	0.6	0.6	0.5	0.4	0.5	0.4
N	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.8	0.8	0.8	0.6	1	0.5	0.8	0.7	0.8	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.3
O	0.6	0.8	0.7	0.8	0.5	0.8	0.6	0.6	0.4	0.6	0.6	0.7	0.5	0.5	1	0.8	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.5	0.3	0.3
P	0.6	0.7	0.7	0.7	0.4	0.7	0.7	0.6	0.4	0.6	0.8	0.8	0.4	0.8	0.8	1	0.6	0.5	0.4	0.5	0.6	0.4	0.6	0.5	0.4	0.2
Q	0.6	0.8	0.7	0.8	0.5	0.8	0.6	0.6	0.5	0.8	0.6	0.6	0.5	0.7	0.6	0.6	1	0.5	0.8	0.7	0.8	0.6	0.6	0.4	0.5	0.4
R	0.6	0.6	0.6	0.8	0.8	0.6	0.6	0.8	0.6	0.5	0.5	0.6	0.6	0.8	0.6	0.5	0.5	1	0.6	0.5	0.4	0.5	0.6	0.4	0.4	0.2
S	0.5	0.6	0.6	0.6	0.7	0.5	0.6	0.6	0.6	0.4	0.6	0.5	0.4	0.6	0.5	0.4	0.8	0.6	1	0.5	0.4	0.5	0.6	0.4	0.6	0.5
T	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.7	0.5	0.5	1	0.6	0.5	0.6	0.5	0.6	0.6
U	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.4	0.4	0.6	1	0.5	0.4	0.4	0.3	0.2
V	0.6	0.6	0.6	0.6	0.4	0.6	0.6	0.6	0.6	0.4	0.6	0.5	0.5	0.5	0.6	0.4	0.6	0.5	0.5	0.5	1	0.6	0.5	0.3	0.3	0.3
W	0.6	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.6	1	0.4	0.6	0.5
X	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.4	1	0.6	0.5
Y	0.5	0.5	0.5	0.5	0.3	0.5	0.5	0.3	0.6	0.3	0.4	0.3	0.4	0.3	0.3	0.4	0.5	0.4	0.6	0.3	0.3	0.6	0.6	1	0.5	0.5
Z	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.4	0.2	0.5	0.6	0.2	0.3	0.5	0.5	0.5	1

Step 1 Calculate matrix

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
A	1	0.8	0.6	0.5	0.5	0.4	0.2	0.5	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.3	0.2	0.5	0.4	0.4	0.3	0.6	0.5	0.2	0.4	0.2
B	0.8	1	0.6	0.8	0.9	0.8	0.5	0.5	0.4	0.4	0.6	0.4	0.3	0.3	0.1	0.5	0.1	0.6	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.3
C	0.6	0.6	1	0.7	0.5	0.5	0.8	0.5	0.2	0.2	0.3	0.4	0.3	0.3	0.7	0.6	0.7	0.6	0.4	0.3	0.4	0.5	0.4	0.2	0.2	0.2
D	0.5	0.8	0.7	1	0.6	0.6	0.7	0.5	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.8	0.7	0.8	0.6	0.6	0.5	0.6	0.5	0.5	0.4	0.3
E	0.5	0.9	0.5	0.6	1	0.9	0.5	0.6	0.2	0.2	0.4	0.4	0.2	0.3	0.1	0.5	0.1	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3
F	0.4	0.8	0.5	0.6	0.9	1	0.6	0.5	0.2	0.2	0.4	0.3	0.3	0.3	0.1	0.6	0.2	0.5	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.3
G	0.2	0.5	0.8	0.7	0.5	0.6	1	0.5	0.1	0.2	0.2	0.2	0.2	0.2	0.5	0.3	0.5	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.2
H	0.5	0.5	0.5	0.5	0.6	0.5	0.5	1	0.2	0.2	0.3	0.3	0.4	0.5	0.2	0.5	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.3
I	0.1	0.4	0.2	0.2	0.2	0.2	0.1	0.2	1	0.8	0.2	0.7	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.5	0.2	0.2	0.1	0.1	0.3	0.2
J	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.8	1	0.2	0.5	0.2	0.3	0.1	0.3	0.1	0.2	0.2	0.4	0.2	0.3	0.2	0.2	0.4	0.2
K	0.3	0.6	0.3	0.3	0.4	0.4	0.2	0.3	0.2	0.2	1	0.3	0.3	0.2	0.1	0.3	0.2	0.8	0.2	0.2	0.3	0.2	0.2	0.4	0.2	0.3
L	0.3	0.4	0.4	0.3	0.4	0.3	0.2	0.3	0.7	0.5	0.3	1	0.3	0.3	0.1	0.4	0.1	0.4	0.3	0.5	0.2	0.2	0.2	0.3	0.3	0.3
M	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.4	0.2	0.2	0.3	0.3	1	0.3	0.1	0.2	0.1	0.2	0.2	0.3	0.2	0.3	0.4	0.2	0.3	0.2
N	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.5	0.2	0.3	0.2	0.3	0.3	1	0.1	0.2	0.1	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.3
O	0.1	0.1	0.7	0.8	0.1	0.1	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.1	1	0.1	0.8	0.2	0.3	0.2	0.4	0.3	0.1	0.1	0.1	0.1
P	0.3	0.5	0.6	0.7	0.5	0.6	0.3	0.5	0.2	0.3	0.3	0.4	0.2	0.2	0.1	1	0.2	0.5	0.3	0.4	0.3	0.2	0.2	0.1	0.5	0.2
Q	0.2	0.1	0.7	0.8	0.1	0.2	0.5	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.8	0.2	1	0.2	0.1	0.3	0.6	0.2	0.2	0.1	0.1	0.1
R	0.5	0.6	0.6	0.6	0.4	0.5	0.4	0.3	0.2	0.2	0.8	0.4	0.2	0.3	0.2	0.5	0.2	1	0.2	0.2	0.2	0.1	0.2	0.2	0.4	0.2
S	0.4	0.5	0.4	0.6	0.3	0.3	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.1	0.2	1	0.2	0.3	0.2	0.1	0.4	0.2	0.2
T	0.4	0.3	0.3	0.5	0.2	0.3	0.2	0.4	0.5	0.4	0.2	0.5	0.3	0.2	0.2	0.4	0.3	0.2	0.2	1	0.4	0.2	0.2	0.2	0.5	0.3
U	0.3	0.2	0.4	0.6	0.2	0.4	0.2	0.4	0.2	0.2	0.3	0.2	0.2	0.3	0.4	0.3	0.6	0.2	0.3	0.4	1	0.8	0.6	0.2	0.5	0.2
V	0.6	0.2	0.5	0.5	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.8	1	0.6	0.2	0.5	0.2
W	0.5	0.2	0.4	0.5	0.2	0.4	0.2	0.3	0.1	0.2	0.2	0.2	0.4	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.6	0.6	1	0.2	0.4	0.2
X	0.2	0.2	0.2	0.4	0.2	0.3	0.3	0.2	0.1	0.2	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.4	0.2	0.2	0.2	0.2	1	0.4	0.2
Y	0.4	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.4	0.2	0.3	0.3	0.2	0.1	0.5	0.1	0.4	0.2	0.5	0.5	0.5	0.4	0.4	1	0.3
Z	0.2	0.3	0.2	0.1	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.3	0.1	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	1

A1=0.55 step 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
A	1	0.8	0.6	0.8	0.8	0.8	0.6	0	0	0	0.6	0	0	0	0.6	0.6	0.6	0.6	0	0	0.6	0.6	0.6	0	0	0
B	0.8	1	0.7	0.8	0.9	0.9	0.7	0.6	0	0	0.6	0	0	0	0.8	0.7	0.8	0.6	0.6	0	0.6	0.6	0	0	0	0
C	0.6	0.7	1	0.7	0.6	0.6	0.8	0	0	0	0.6	0	0	0	0.7	0.7	0.7	0.6	0.6	0	0.6	0.6	0	0	0	0
D	0.8	0.8	0.7	1	0.8	0.8	0.7	0.6	0	0	0.6	0	0	0	0.8	0.7	0.8	0.8	0.6	0	0.6	0.6	0.6	0	0	0
E	0.8	0.9	0.6	0.8	1	0.6	0	0	0	0.8	0.7	0.8	0.8	0.6	0	0	0.8	0.7	0.8	0.6	0.6	0.6	0	0.6	0	0
F	0.8	0.9	0.6	0.8	0.6	1	0.8	0	0	0	0.6	0	0	0	0.8	0.7	0.8	0.6	0	0.6	0.6	0.6	0.6	0	0	0
G	0.6	0.7	0.8	0.7	0	0.8	1	0.6	0	0	0.6	0	0	0	0.6	0.7	0.7	0.6	0.6	0	0.6	0.6	0	0	0	0
H	0	0.6	0	0.6	0	0	0.6	1	0	0	0.6	0	0	0	0.6	0.6	0.6	0.8	0.6	0	0.6	0.6	0	0	0	0
I	0	0	0	0	0	0	0	0	1	0.6	0	0	0	0.6	0	0	0	0.6	0.6	0.6	0.6	0.6	0.6	0	0.7	0.6
J	0	0	0	0	0.8	0	0	0	0.6	1	0	0.8	0.7	0.8	0.6	0.6	0.8	0	0	0	0.6	0	0	0	0	0
K	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0	0	1	0.7	0.8	0.8	0.6	0.8	0.6	0.6	0	0.6	0	0.6	0.6	0	0	0
L	0	0	0	0	0.8	0	0	0	0	0.8	0.7	1	0	0.8	0.7	0.8	0.6	0.6	0	0.6	0.6	0	0	0	0	0
M	0	0	0	0	0.8	0	0	0	0	0.7	0.8	0	1	0.6	0	0	0	0.6	0	0.6	0.6	0	0	0	0	0
N	0	0	0	0	0.6	0	0	0	0.6	0.8	0.8	0.8	0.6	1	0	0.8	0.7	0.8	0.6	0.6	0.6	0	0	0	0	0
O	0.6	0.8	0.7	0.8	0	0.8	0.6	0.6	0	0.6	0.6	0.7	0	0	1	0.8	0.6	0.6	0	0.6	0.6	0.6	0.6	0	0	0
P	0.6	0.7	0.7	0.7	0	0.7	0.7	0.6	0	0.6	0.8	0.8	0	0.8	0.8	1	0.6	0	0	0	0.6	0	0.6	0	0	0
Q	0.6	0.8	0.7	0.8	0	0.8	0.7	0.6	0	0.8	0.6	0.6	0	0.7	0.6	0.6	1	0	0.8	0.7	0.8	0.6	0.6	0	0	0
R	0.6	0.6	0.6	0.8	0.8	0.6	0.6	0.6	0	0	0.6	0.6	0.6	0	0	0.6	0.6	0	1	0.6	0	0	0.6	0	0	0
S	0	0.6	0.6	0.6	0.6	0.7	0	0.6	0.6	0.6	0	0.6	0	0	0.8	0.6	1	0	0	0.6	1	0	0	0.6	0	0.6
T	0	0	0	0	0.6	0.6	0	0	0.6	0	0	0.6	0.6	0.6	0.6	0	0.7	0	0	1	0.6	0	0.6	0	0.6	0.6
U	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0	0	0.6	1	0	0	0	0	0
V	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6	0.6	0.6	0	0.6	0	0	0.6	0	0.6	0	0	0	0	0	1	0.6	0	0
W	0.6	0	0	0.6	0.6	0.6	0	0	0	0	0	0	0	0	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	1	0	0.6	0
X	0	0	0	0	0	0	0	0	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.6	0
Y	0	0	0	0	0	0	0	0	0.6	0	0	0	0	0	0	0	0	0	0.6	0.6	0	0	0.6	0.6	1	0
Z	0	0	0	0	0	0	0	0	0.6	0	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0	0	1

A2=0.15

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
A	0	0.8	0.6	0.8	0.8	0.8	0.6	0.5	0.4	0.4	0.6	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.4	0.5	0.3
B	0.8	0	0.7	0.8	0.9	0.9	0.7	0.6	0.4	0.4	0.6	0.4	0.4	0.5	0.8	0.7	0.8	0.6	0.6	0.5	0.6	0.6	0.5	0.4	0.5	0.3
C	0.6	0.7	0	0.7	0.6	0.6	0.8	0.5	0.4	0.4	0.6	0.4	0.4	0.5	0.7	0.7	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.4	0.5	0.3
D	0.8	0.8	0.7	0	0.8	0.8	0.7	0.6	0.5	0.4	0.6	0.5	0.4	0.5	0.8	0.7	0.8	0.8	0.6	0.5	0.6	0.6	0.6	0.4	0.5	0.3
E	0.8	0.9	0.6	0.8	0	0.6	0.5	0.4	0.5	0.8	0.7	0.8	0.8	0.6	0.5	0.4	0.5	0.8	0.7	0.6	0.6	0.6	0.4	0.6	0.4	0.3
F	0.8	0.9	0.6	0.8	0.6	0	0.8	0.5	0.4	0.4	0.6	0.5	0.4	0.5	0.8	0.7	0.8	0.6	0.5	0.6	0.6	0.6	0.6	0.4	0.5	0.3
G	0.6	0.7	0.8	0.7	0.5	0.8	0	0.6	0.4	0.4	0.6	0.4	0.4	0.5	0.6	0.7	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.4	0.5	0.3
H	0.5	0.6	0.5	0.6	0.4	0.5	0.6	0	0.4	0.4	0.6	0.4	0.4	0.5	0.6	0.6	0.6	0.8	0.6	0.5	0.6	0.6	0.5	0.4	0.3	0.3
I	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0	0.6	0.5	0.4	0.5	0.6	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.7	0.6	0.6
J	0.4	0.4	0.4	0.4	0.8	0.4	0.4	0.4	0.6	0	0.5	0.8	0.7	0.8	0.6	0.6	0.8	0.5	0.4	0.4	0.6	0.4	0.4	0.4	0.3	0.3
K	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.5	0.5	0	0.7	0.8	0.8	0.6	0.8	0.6	0.5	0.6	0.5	0.6	0.6	0.5	0.4	0.4	0.2
L	0.4	0.4	0.4	0.4	0.5	0.8	0.5	0.4	0.4	0.4	0.8	0.7	0	0.5	0.8	0.7	0.8	0.6	0.6	0.5	0.6	0.6	0.5	0.4	0.4	0.3
M	0.4	0.4	0.4	0.4	0.8	0.4	0.4	0.4	0.5	0.7	0.8	0.5	0	0.6	0.5	0.4	0.5	0.6	0.4	0.6	0.6	0.5	0.4	0.5	0.4	0.2
N	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.8	0.8	0.8	0.6	0	0.5	0.8	0.7	0.8	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.2
O	0.6	0.8	0.7	0.8	0.5	0.8	0.6	0.6	0.4	0.6	0.6	0.7	0.5	0.5	0	0.8	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.5	0.3	0.3
P	0.6	0.7	0.7	0.7	0.4	0.7	0.7	0.6	0.4	0.6	0.8	0.8	0.4	0.8	0.8	0	0.6	0.5	0.4	0.5	0.6	0.4	0.6	0.5	0.4	0.2
Q	0.6	0.8	0.7	0.8	0.5	0.8	0.7	0.6	0.5	0.8	0.6	0.6	0.5	0.7	0.6	0.6	0	0.5	0.8	0.7	0.8	0.6	0.6	0.4	0.5	0.4
R	0.6	0.6	0.6	0.8	0.8	0.6	0.6	0.8	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0	0.6	0.5	0.4	0.5	0.6	0.4	0.4	0.2
S	0.5	0.6	0.6	0.6	0.7	0.5	0.6	0.6	0.6	0.4	0.6	0.5	0.4	0.6	0.5	0.4	0.8	0.6	0	0.5	0.4	0.5	0.6	0.4	0.6	0.5
T	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.7	0.5	0.5	0	0.6	0.5	0.6	0.5	0.6	0.6
U	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.4	0.4	0.6	0	0.5	0.4	0.4	0.3	0.2
V	0.6	0.6	0.6	0.6	0.4	0.6	0.6	0.6	0.6	0.4	0.6	0.5	0.5	0.6	0.4	0.6	0.6	0.5	0.5	0.5	0	0.6	0.5	0.3	0.3	0.3
W	0.6	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.4	0.6	0	0.4	0.6	0.5	0.5
X	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0	0.6	0.5
Y	0.5	0.5	0.5	0.5	0.3	0.5	0.5	0.3	0.6	0.3	0.4	0.3	0.4	0.3	0.3	0.4	0.5	0.4	0.6	0.6	0.3	0.3	0.6	0.6	0	0.5
Z	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.4	0.2	0.5	0.6	0.2	0.3	0.5	0.5	0.5	0

A3=0.85

[illegible]