

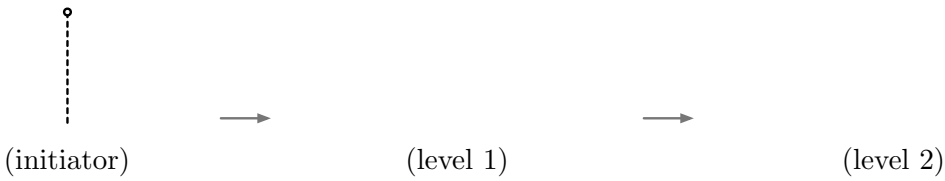
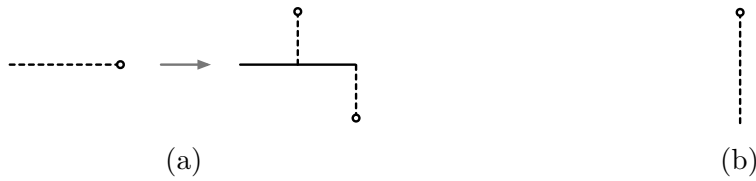
Quiz 3

Name:

Student ID Number:

Try all three questions on the quiz; the third is on the back of this page. You have 15 minutes in total. Make sure you give yourself time for each part. Good luck!

- (Self-Similarity) Show the result of applying the generator of Figure 1 (a) to the initiator of Figure 1 (b) for two levels. (Don't worry about getting the scale exactly right.)



- (History of Computer Art) A. Michael Noll is known for his Mondrian-like images. What motivated Noll to make these images and why was the computer a useful tool in his work?

3. (Image Representation)

(a) Which type of representation is better suited for representing fonts: vector or bitmap? Give two reasons to support your answer.

(b) Convert the hexadecimal (base 16) number **6A** to decimal (base 10). Show your work as well as the answer you get. You can use the hexadecimal to binary conversion table below.

Hex	Binary	Hex	Binary
0	0000	8	1000
1	0001	9	1001
2	0010	A	1010
3	0011	B	1011
4	0100	C	1100
5	0101	D	1101
6	0110	E	1110
7	0111	F	1111

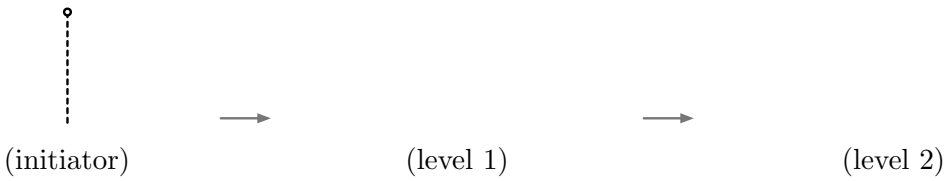
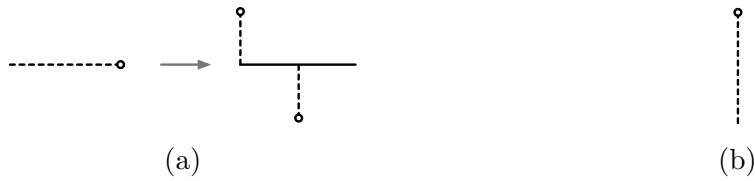
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- (History of Computer Art) A. Michael Noll is known for his Mondrian-like images. What motivated Noll to make these images and why was the computer a useful tool in his work?

3. (Image Representation)

(a) Which type of representation is better suited for representing fonts: vector or bitmap? Give two reasons to support your answer.

(b) Convert the hexadecimal (base 16) number **5F** to decimal (base 10). Show your work as well as the answer you get. You can use the hexadecimal to binary conversion table below.

Hex	Binary	Hex	Binary
0	0000	8	1000
1	0001	9	1001
2	0010	A	1010
3	0011	B	1011
4	0100	C	1100
5	0101	D	1101
6	0110	E	1110
7	0111	F	1111