

Quiz 07

CMSC 161: Interactive Computer Graphics

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Institute of Computer Science

University of the Philippines – Los Baños

Lecture by James Carlo Plaras

Given

$$X_{\min} = -1 \quad X_{\max} = 1$$

$$Y_{\min} = -1 \quad Y_{\max} = 1$$

What are the outcodes of...

(1.75, 2.0)

(0.75, -2.0)

$(-1.75, 2.0)$

Given two points with their outcode

Point A has outcode [0000]

Point B has outcode [0000]

Using Cohen-Sutherland algorithm, what case does this fall

1, 2, or 3?

Given two points with their outcode

Point A has outcode [1010]

Point B has outcode [0110]

Using Cohen-Sutherland algorithm, what case does this fall

1, 2, or 3?

Given two points with their outcode

Point A has outcode [0001]

Point B has outcode [0010]

Using Cohen-Sutherland algorithm, what case does this fall

1, 2, or 3?

Given two points with their outcode

Point A has outcode [1001]

Point B has outcode [0110]

Using Cohen-Sutherland algorithm, what case does this fall

1, 2, or 3?

Fill The Table

Line from (23,23) to (28,26)

dx	dy	m	t_inc	y_inc
?	?	?	?	?

Iteration	X	Y	e	t
0				
1				
2				
3				
4				
5				