

1 101, 1 0112	
	A ssign ment → 1
⇒	Problem State of 1 1000to a Ct. And to day the
	Pridden statuet: write a C++ program to draw the
	bresenhams for square and DA for almord
Ž	Objective - we should be able to draw and shaly different bre drawing algorithms
+)	Ortrone - 76 be able to draw different Shapes using bresinlows and DDA line drawing algorithms
5	Software negt - 64 694 Os (fedire):, at Greator
5	Throng of percel of to the smallest unit of memory which are to be displayed on a scores
	n koms of 2 drays of finels
	- Frame buffer - It & a Complate monone hello
	which contains data of each pixel to be displayed next
	DDA - Deffrent & Doitel analysis
	+ In this nethord, we set ritial value for pirels
	+ These pinels are investment every teration according to the stop



The stope can be calculated with the end point of
The gran line as
$M = y^2 - y_1$
$\mathcal{X}_1 - \mathcal{X}_1$
Bresenhaus Algorithum. This methodo does not mobile
Slope Calculation rather used
Calculation of error faster a Tich may be added to
The parels position every heration. This method
does not have floting point calculation.
=> Acharlages + DDA & a symple Coole to Calculate
pinel position > 7+ 8 cary to understand
- Can be implemented with basic math headedge
Bresetrens algorithan runs faster Than DOA
y Uses only addition and Seelmachion
" No need of special function to type (ort
to regras
=> Disachafages + DDA modue floating point operation s Due so hand off Arrors are
s Due so hand off strong are
in teachersed
Bresonhaus algorithm is healy Complexe algorithm to implement.
algorithm to influent.



	=> Test cases >
	Tryput Expected 0/P Actual 0/P
	Cotiner port of Puner square success
	Square Stele = 50
	(0,0) (100,100) conter quere
	Socie = 100
2	Orner port of Juner square success
	Square Stole: 100
	(0,0) (200,200) Guter Square
	Sicle : 200
	=> (onclusion + Pruj we are able to generate a
	22.1
	Than Edjure Cifing Kresenhaus Circl
	PDA algorithum.
	gran figure eggg Rresonhaus and PDA algorithum.
	120A algorithum.
	PDA algorithum.
	PDA algorithum.
	PDA algorithum.
	PDA algorithum.
	PDA algorithum.
	PDA algorithum.
	PDA algorithum.
	DDA algorithum.
	PDA algorithum.
	PDA algorithum.
	DDA algorithum.
	DDA algorithum.