Eine Woche, ein Beispiel 11.26 calculation of Pervs (CIP')

Final goal: Fill in the tables in the next page. (for first time, remove the i'column) We won't show the following fact in this document: Fact There are exactly 5 indec reps in $Perv_{\Delta}(CIP')$.

Ref:

[Willians]: Langlands correspondence and Bezrukavnikov's equivalence calculations from Lukas Bonfert's note (don't forward this to anyone else).

$$\psi \stackrel{\text{can}}{\underset{\text{var}}{\longleftarrow}} \phi$$

alias

 $Var \circ can + 1 = 1$

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(o,	I	,	ı	,	۱)

	/>	-2	-1	0	1
C	j*	0	0	0	0
[00]	.* i	0	0	Q	0
	`.'	0	0	Q_	0
	K _r ∟	0	0	Q	0

ICo In [Willians]. Fo3 is oligged out

	/>	-2	-1	0	1
C	j*	0	Q	0	0
[m]	.* i	0	Q	0	0
	١.	0	0	0	Q
	R,∟	0	Q	٥	Q

$$Q \stackrel{\circ}{\sim} 0$$

IC∞ IC (©P', <u>C</u>c)

$$R_{j*} Q_{C}[1]$$
(-1,0,0,-1)

	/	-2	-1	0	1
C	j*	0	<u>@</u>	0	0
[00]	.* i	0	Q	Q	0
	١.	0	0	0	0
	K,L	0	Q	0	0
	r	0	Q	Q	0

$$Q \stackrel{\circ}{\underset{1}{\longrightarrow}} Q$$

 $I(\psi)$

$$\int_{0}^{1} \underline{Q}_{C}[1]$$

_						
		/>	-2	-1	0	1
	C	j*	0	Q	0	0
	[m]	.* 1	0	0	0	0
		ì!	0	0	Q	Q
		R _" ∟	0	0	0	Q

$$Q \stackrel{!}{\bigcirc} Q$$

 $P(\psi)$

1 (-1,1,1,0) -2 - 1 ٥ C 0 0 [m] Q 0 Q 0 0 0 0

$$Q \stackrel{\binom{\binom{n}{2}}}{\underset{(1 \text{ o})}{\longrightarrow}} Q^{2}$$

big tilting sheaf $P(\phi) = I(\phi)$