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

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

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 $P(\phi) = I(\phi)$