

A | Lateral (left panel) and caudal (right panel) views. For orientation in the hippocampal formation (consisting of the dentate gyrus (DG; dark brown), CA3 (medium brown), CA2 (not indicated), CA1 (orange) and the subiculum (Sub; yellow)), three axes are indicated: the long or septotemporal axis (also referred to as the dorsoventral axis); the transverse or proximodistal axis, which runs parallel to the cell layer and starts at the DG; and the radial or superficial-to-deep axis, which is defined as being perpendicular to the transverse axis. In the parahippocampal region (green, blue, pink and purple shaded areas), a similar superficial-to-deep axis is used. Additionally, the presubiculum (PrS; medium blue) and parasubiculum (PaS; dark blue) are described by a septotemporal and proximodistal axis. The entorhinal cortex, which has a lateral (LEA; dark green) and a medial (MEA; light green) aspect, is described by a dorsolateral-to-ventromedial gradient and a rostrocaudal axis. The perirhinal cortex (consisting of Brodmann areas (A) 35 (pink) and 36 (purple)) and the postrhinal cortex (POR; blue-green) share the latter axis with the entorhinal cortex and are additionally defined by a dorsoventral orientation. The dashed lines in the left panel indicate the levels of two horizontal sections (a,b) and two coronal sections (c,d), which are shown in part B. All subfields of the parahippocampal-hippocampal region are colour-coded in correspondence with the interactive diagram in Supplementary information S1 (figure). A further description of the anatomical features of each subfield is provided in the legend of this supplementary information. C | A Nissl-stained horizontal cross-section (enlarged from part Bb) in which the cortical layers and three-dimensional axes are marked. The Roman numerals indicate cortical layers. CA, cornu ammonis; dist, distal; dl, dorsolateral part of the entorhinal cortex; encl, enclosed blade of the DG; exp, exposed blade of the DG; gl, granule cell layer; luc, stratum lucidum; ml, molecular layer; or, stratum oriens; prox, proximal; pyr, pyramidal cell layer; rad, stratum radiatum; slm, stratum lacunosum-moleculare; vm, ventromedial part of the entorhinal cortex.

A30

rost	int	caud	unsp
I	I	I	I
II	II	II	II
III	III	III	III
IV	IV	IV	IV
V	V	V	V
VI	VI	VI	VI

A29c

rost	int	caud	unsp
I	I	I	I
II	II	II	II
III	III	III	III
IV	IV	IV	IV
V	V	V	V
VI	VI	VI	VI

A30

rost	int	caud	unsp
I	I	I	I
II	II	II	II
III	III	III	III
IV	IV	IV	IV
V	V	V	V
VI	VI	VI	VI

A29c

rost	int	caud	unsp
I	I	I	I
II	II	II	II
III	III	III	III
IV	IV	IV	IV
V	V	V	V
VI	VI	VI	VI

A29ab unsp

unsp	unsp	unsp
I	I	I
II	II	II
III	III	III
IV	IV	IV
V	V	V
VI	VI	VI

A29b

unsp	unsp	unsp
I	I	I
II	II	II
III	III	III
IV	IV	IV
V	V	V
VI	VI	VI

A29a

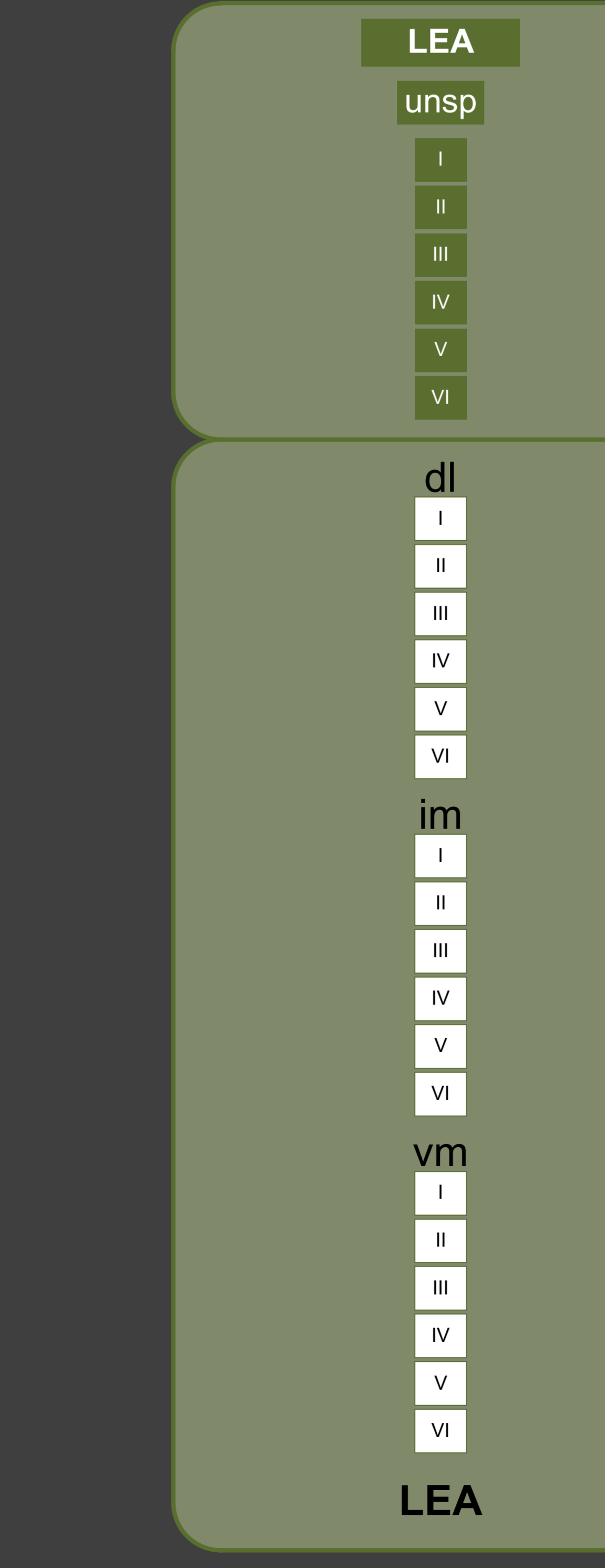
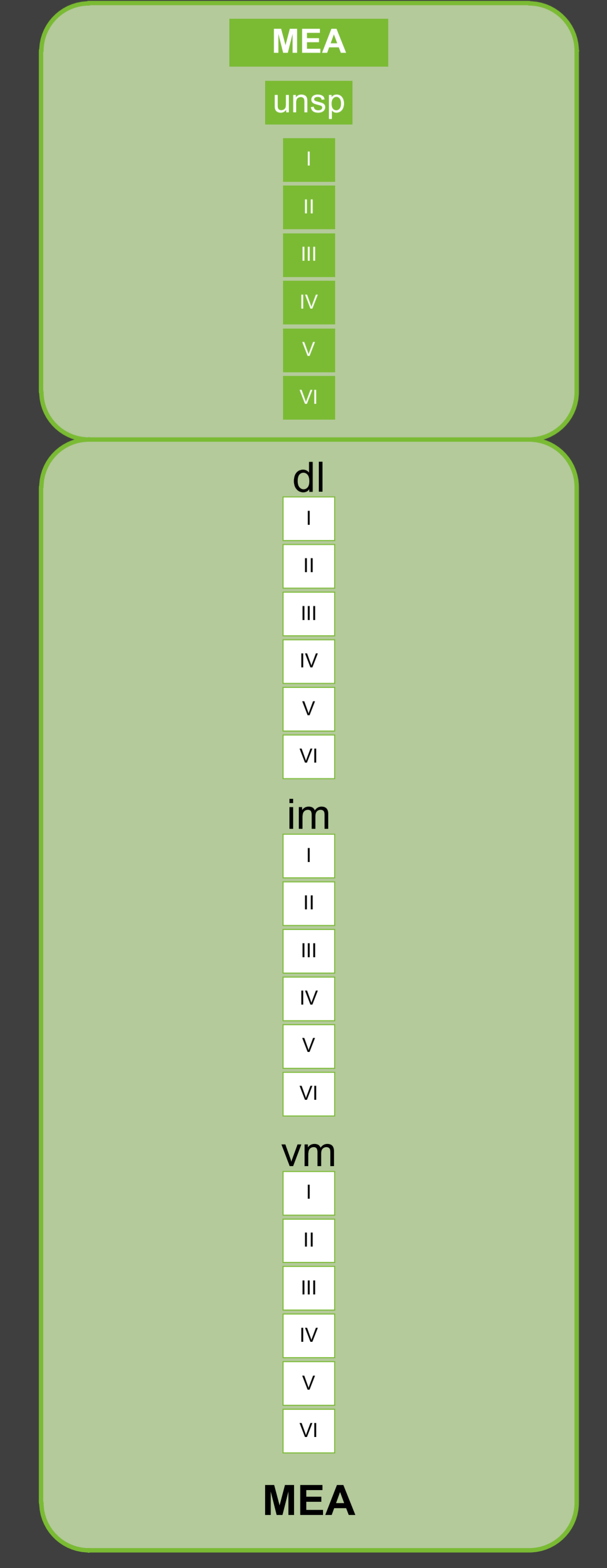
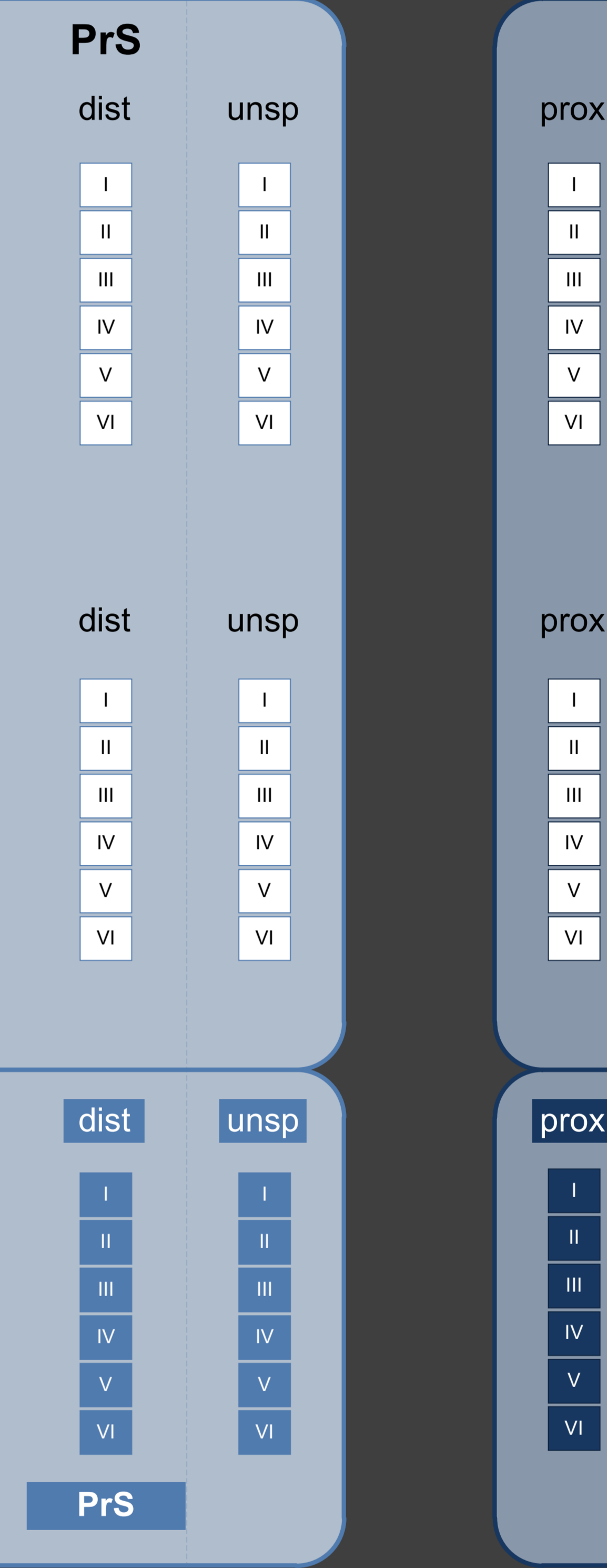
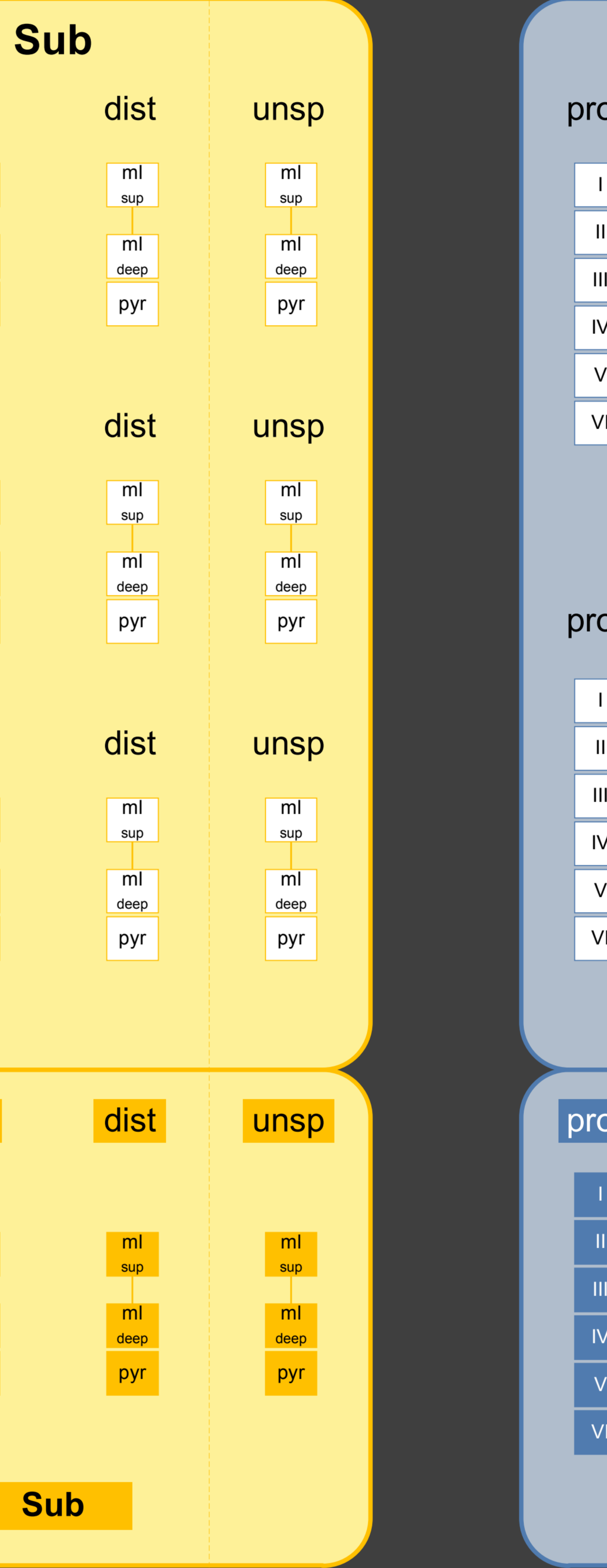
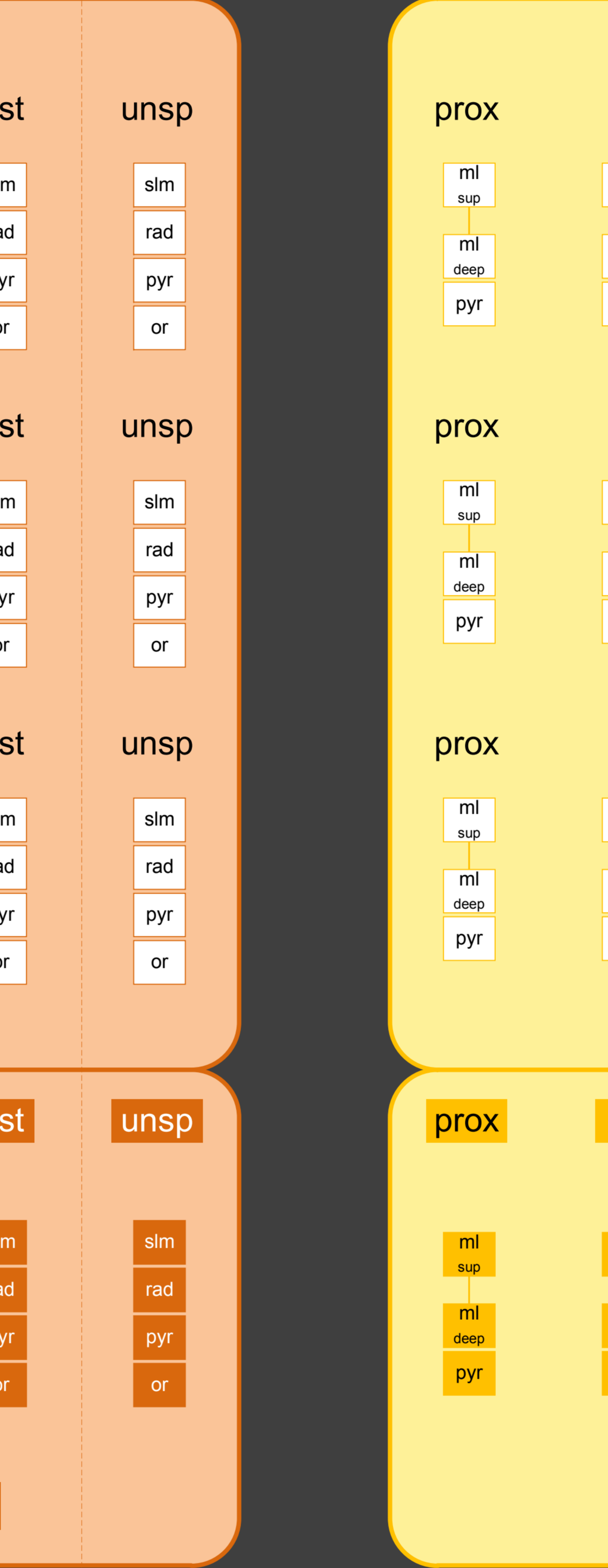
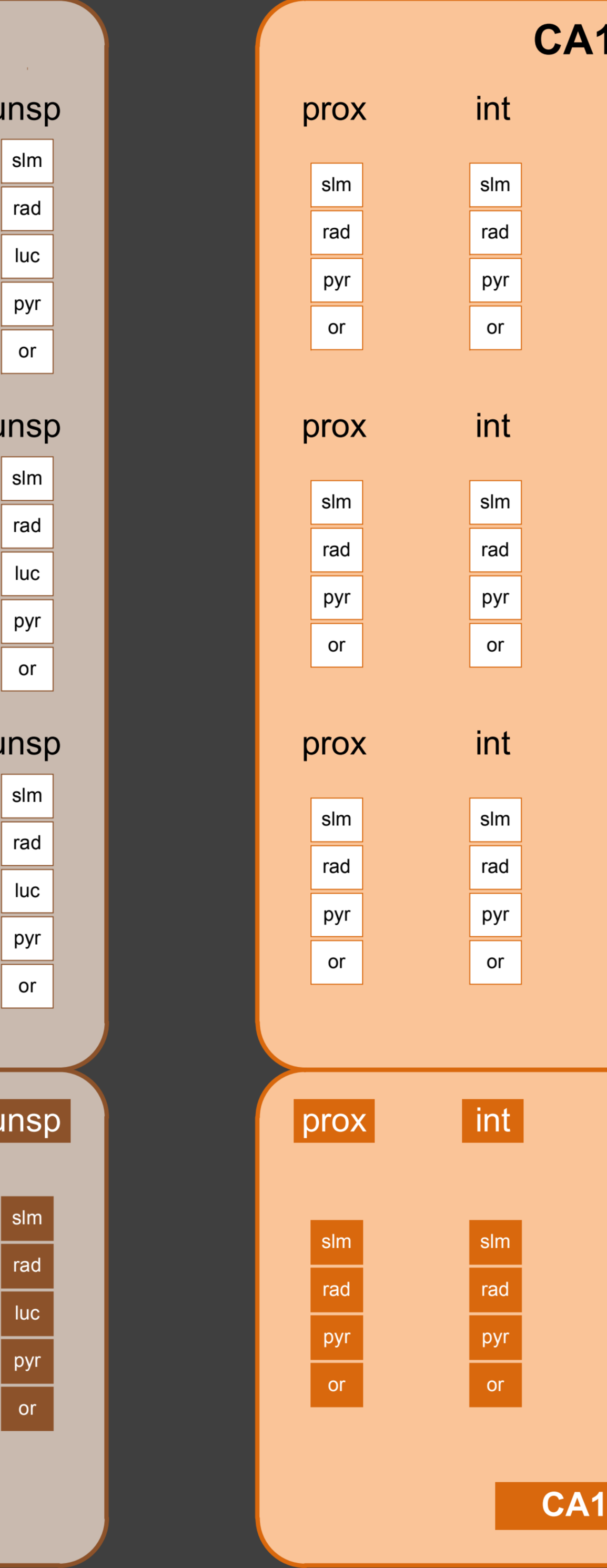
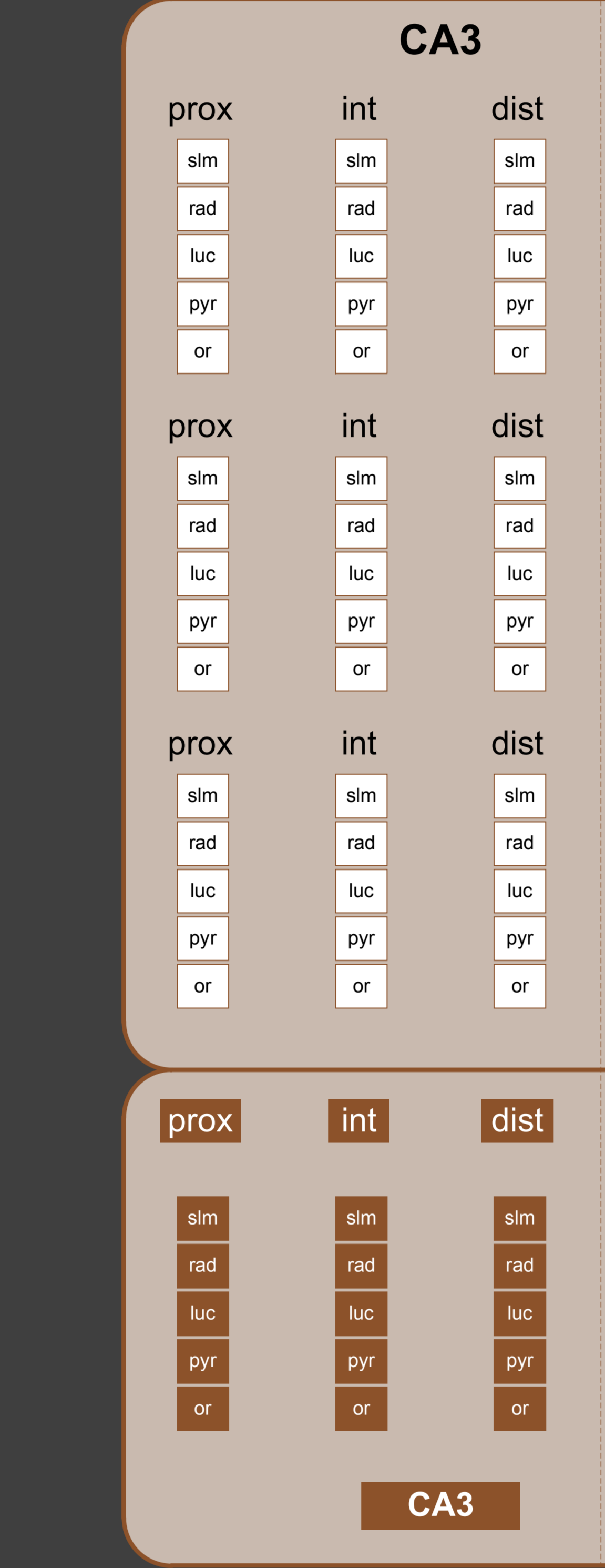
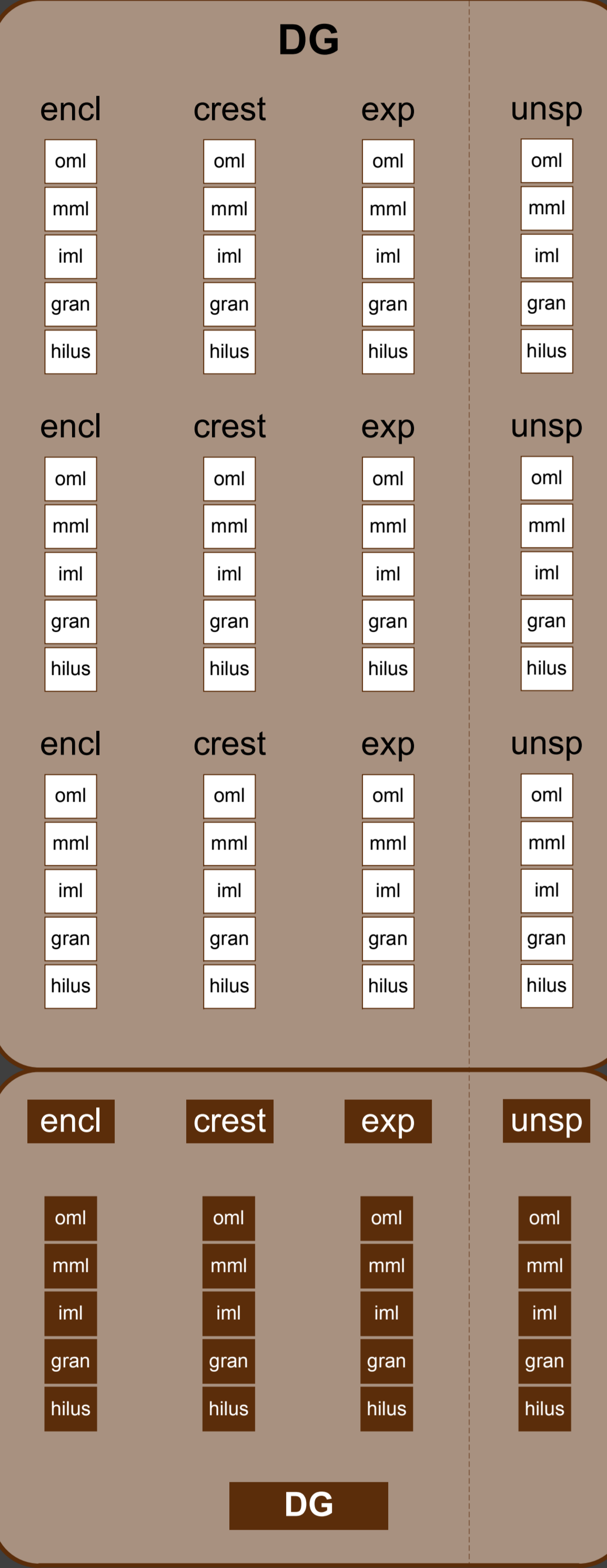


Diagram Controls

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