→ input /scratch/akhanf/diffparc-smk/subworkflows/hcp_mmp_to_native/results/hcp_mmp/sub-{subject}/lh.native.hcp-mmp.nii.gz <input function> /scratch/akhanf/diffparc-smk/subworkflows/hcp_mmp_to_native/results/hcp_mmp/sub-{subject}/rh.native.hcp-mmp.nii.gz output → output → results/template_masks/sub-{template,[a-zA-Z0-9]+}_desc-{seed,[a-zA-Z0-9]+}_probseg.nii.gz results/diffparc/sub-{subject,[a-zA-Z0-9]+}/masks/lh_rh.native.hcp-mmp.nii.gz transform_to_subject resample_targets **→ input →** input /project/6050199/ext-data/hcp1200/deriv/ants build template hcp 7Tsubj 07mm/results/iter 1/sub-{subject} 0GenericAffine.mat /project/6007967/akhanf/projects/hcp/HCP_1200_T1w_Diffusion_FS/{subject}/T1w/Diffusion.bedpostX/mean_S0samples.nii.gz /project/6050199/ext-data/hcp1200/deriv/ants_build_template_hcp_7Tsubj_07mm/results/iter_1/sub-{subject}_1InverseWarp.nii.gz results/diffparc/sub-{subject}/masks/lh_rh.native.hcp-mmp.nii.gz results/diffparc/sub-{subject}/masks/lh_rh.native.hcp-mmp.nii.gz results/template_masks/sub-{template}_desc-{seed}_probseg.nii.gz results/diffparc/sub-{subject,[a-zA-Z0-9]+}/masks/brain_mask_dwi.nii.gz output → results/diffparc/sub-{subject,[a-zA-Z0-9]+}/masks/brain_mask_dwi_resampled.nii.gz results/diffparc/sub-{subject,[a-zA-Z0-9]+}/masks/seed_from-{template,[a-zA-Z0-9]+}_{seed,[a-zA-Z0-9]+}.nii.gz results/diffparc/sub-{subject,[a-zA-Z0-9]+}/masks/lh_rh_targets_dwi.nii.gz resample_seed split_targets **→** input **→** input results/diffparc/sub-{subject}/masks/brain_mask_dwi_resampled.nii.gz results/diffparc/sub-{subject}/masks/lh_rh_targets_dwi.nii.gz results/diffparc/sub-{subject}/masks/seed_from-{template}_{seed}.nii.gz output → output → results/diffparc/sub-{subject,[a-zA-Z0-9]+}/targets results/diffparc/sub-{subject,[a-zA-Z0-9]+}/masks/seed_from-{template,[a-zA-Z0-9]+}_{seed,[a-zA-Z0-9]+}_resampled.nii.gz binarize_subject_seed gen_targets_txt **→** input **→** input results/diffparc/sub-{subject}/masks/seed_from-{template}_{seed}_resampled.nii.gz results/diffparc/sub-{subject}/targets output → output → results/diffparc/sub-{subject,[a-zA-Z0-9]+}/masks/seed_from-{template,[a-zA-Z0-9]+}_{seed,[a-zA-Z0-9]+}.binary.nii.gz results/diffparc/sub-{subject,[a-zA-Z0-9]+}/target_images.txt run_probtrack binarize_template_seed **→** input results/diffparc/sub-{subject}/masks/brain_mask_dwi.nii.gz **→ input** results/diffparc/sub-{subject}/masks/seed_from-{template}_{seed}.binary.nii.gz results/template_masks/sub-{template}_desc-{seed}_probseg.nii.gz results/diffparc/sub-{subject}/target_images.txt output → results/diffparc/sub-{subject}/targets results/template_masks/sub-{template,[a-zA-Z0-9]+}_desc-{seed,[a-zA-Z0-9]+}_mask.nii.gz output → results/diffparc/sub-{subject,[a-zA-Z0-9]+}/probtrack_{template,[a-zA-Z0-9]+}_{seed,[a-zA-Z0-9]+} transform_conn_to_template **→ input** /project/6050199/ext-data/hcp1200/deriv/ants_build_template_hcp_7Tsubj_07mm/results/iter_1/sub-{subject}_0GenericAffine.mat /project/6050199/ext-data/hcp1200/deriv/ants_build_template_hcp_7Tsubj_07mm/results/iter_1/sub-{subject}_1Warp.nii.gz /project/6050199/ext-data/hcp1200/deriv/ants_build_template_hcp_7Tsubj_07mm/results/iter_1/template_T1w.nii.gz results/diffparc/sub-{subject}/probtrack_{template}_{seed} output → results/diffparc/sub-{subject,[a-zA-Z0-9]+}/probtrack_{template,[a-zA-Z0-9]+}_{seed,[a-zA-Z0-9]+} warped save_connmap_template_npz **→ input** results/diffparc/sub-{subject}/probtrack_{template}_{seed}_warped results/template_masks/sub-{template}_desc-{seed}_mask.nii.gz output → results/diffparc/sub-{subject,[a-zA-Z0-9]+}/connmap/sub-{subject}_space-{template,[a-zA-Z0-9]+}_seed-{seed,[a-zA-Z0-9]+}_connMap.npz gather_connmap_group **→ input** results/diffparc/sub-100610/connmap/sub-100610_space-{template}_seed-{seed}_connMap.npz results/diffparc/sub-102311/connmap/sub-102311_space-{template}_seed-{seed}_connMap.npz results/diffparc/sub-102816/connmap/sub-102816_space-{template}_seed-{seed}_connMap.npz output → results/connmap/group_space-{template,[a-zA-Z0-9]+}_seed-{seed,[a-zA-Z0-9]+}_connMap.npz spectral_clustering **→** input results/connmap/group_space-{template}_seed-{seed}_connMap.npz output →

→ input

combine_Ir_hcp

output →

→ input

get_template_seed

results/clustering/group space-hcp7Tsubj seed-rpiriform method-spectralcosine k-2 cluslabels.nii.gz results/clustering/group_space-hcp7Tsubj_seed-rpiriform_method-spectralcosine_k-3_cluslabels.nii.gz results/clustering/group_space-hcp7Tsubj_seed-rpiriform_method-spectralcosine_k-4_cluslabels.nii.gz

all

results/clustering/group_space-{template,[a-zA-Z0-9]+}_seed-{seed,[a-zA-Z0-9]+}_method-spectralcosine_k-3_cluslabels.nii.gz results/clustering/group_space-{template,[a-zA-Z0-9]+}_seed-{seed,[a-zA-Z0-9]+}_method-spectralcosine_k-4_cluslabels.nii.gz