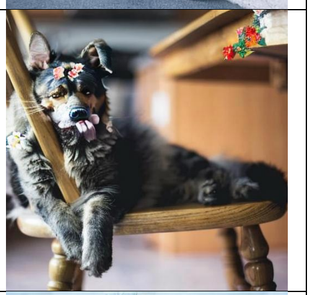
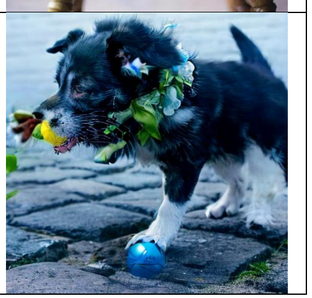
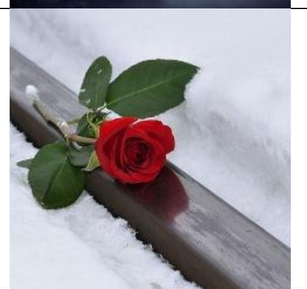
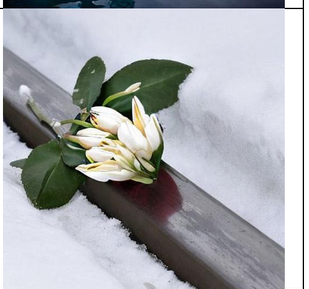
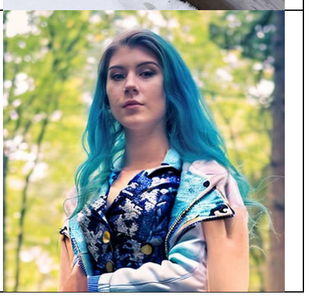
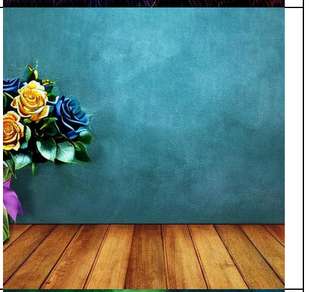
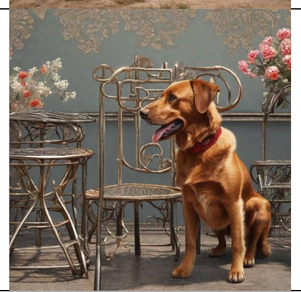
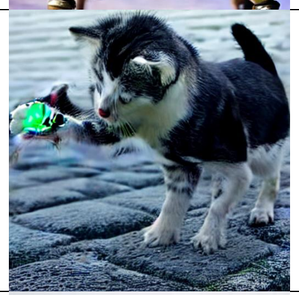
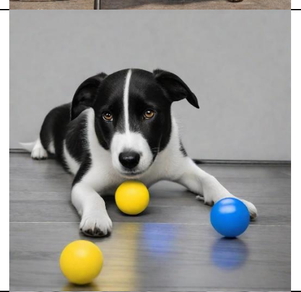
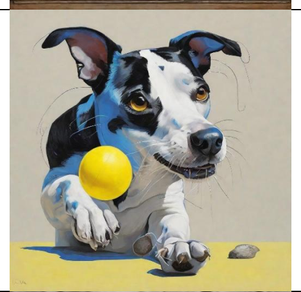
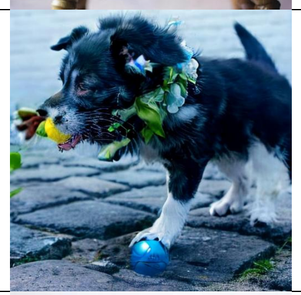
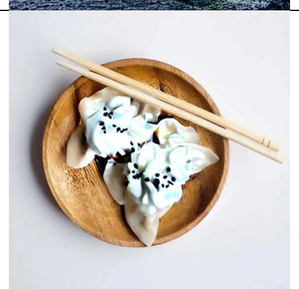
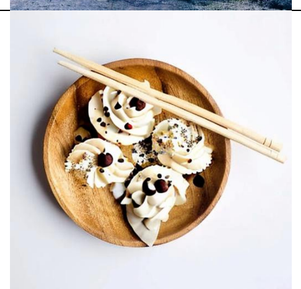
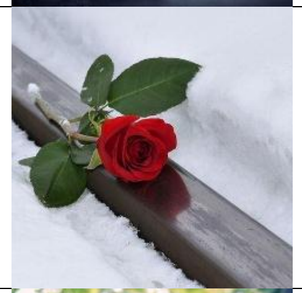
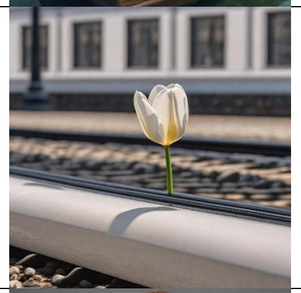
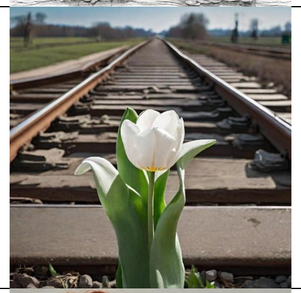
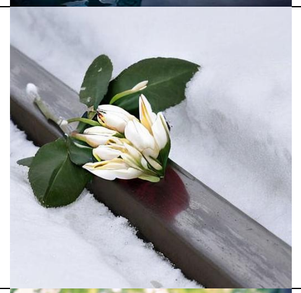
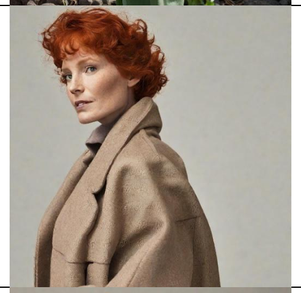
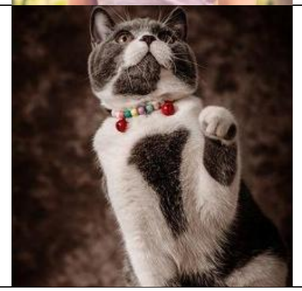
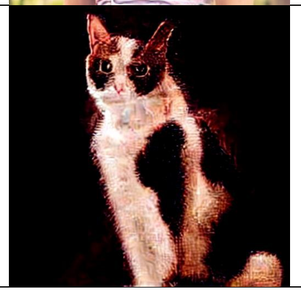
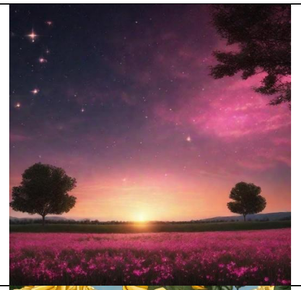
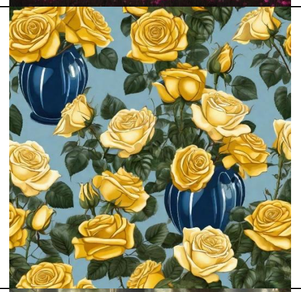
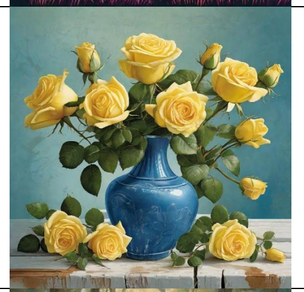
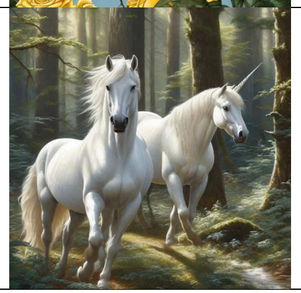
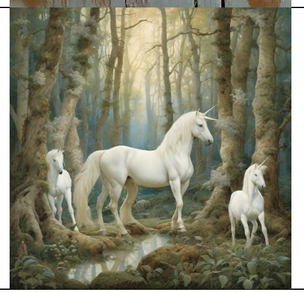
ParallelEdits 재현

원본 프롬프트	타겟 프롬프트	Editing	Obj-adj-pair	원본 이미지	결과 이미지
a man sitting in a boat is silhouetted against the sunset with mountain in the background	a man standing in a boat is silhouetted against the sunset and ducks on the water with Alps mountain in the background	{"man standing":{"position":2,"edit_type":5,"action":"man sitting"}, "ducks on the water":{"position":11,"edit_type":2,"action":"+"}, "Alps mountain":{"position":12,"edit_type":1,"action":"mountain"}}	{"man":["standing"],"ducks":[],"mountain":["Alps"]}		
a slanted mountain bicycle on the road in front of a building	a slanted [rusty] mountain [motorcycle] in front of a [fence]	{'rusty': {'position': 2, 'edit_type': 7, 'action': '+'}, 'motorcycle': {'position': 3, 'edit_type': 1, 'action': 'bicycle'}, 'fence': {'position': 11, 'edit_type': 8, 'action': 'building'}, 'on the road': {'position': 4, 'edit_type': 3, 'action': '-'}}	{'motorcycle': ['rusty'], 'fence': [], 'road': []}		
a cat sitting on a wooden chair	a [red] [dog] [with flowers in mouth] [standing] on a [metal] chair	{'red': {'position': 1, 'edit_type': 6, 'action': '+'}, 'dog': {'position': 1, 'edit_type': 1, 'action': 'cat'}, 'with flowers in mouth': {'position': 2, 'edit_type': 2, 'action': '+'}, 'standing': {'position': 2, 'edit_type': 5, 'action': 'sitting'}, 'metal': {'position': 5, 'edit_type': 7, 'action': 'wooden'}}	{'dog': ['red', 'standing'], 'chair': ['metal'], 'flowers': []}		
blue light, a black and white cat is playing with a flower	blue light, a black and white [dog] is playing with a [yellow] [ball]	{'dog': {'position': 6, 'edit_type': 1, 'action': 'cat'}, 'yellow': {'position': 11, 'edit_type': 6, 'action': '+'}, 'ball': {'position': 12, 'edit_type': 1, 'action': 'flower'}}	{'dog': [], 'ball': ['yellow']}		

three white dumplings on brown wooden bowl	three white [cupcakes] on [black] [metal] bowl	{'cupcakes': {'position': 2, 'edit_type': 1, 'action': 'dumplings'}, 'black': {'position': 4, 'edit_type': 6, 'action': 'brown'}, 'metal': {'position': 5, 'edit_type': 7, 'action': '+'}}	{'cupcakes': [], 'bowl': ['black', 'metal']}		
the two people are standing on rocks with a fish	the two [old] people are [sitting] on [boat] with a fish	{'old': {'position': 2, 'edit_type': 4, 'action': '+'}, 'sitting': {'position': 4, 'edit_type': 5, 'action': 'standing'}, 'boat': {'position': 6, 'edit_type': 1, 'action': 'rocks'}}	{'people': ['old', 'sitting'], 'boat': []}		
a rose on the rail	a [white] [tulip] on the rail	{'white': {'position': 1, 'edit_type': 6, 'action': '+'}, 'tulip': {'position': 1, 'edit_type': 1, 'action': 'rose'}}	{'tulip': ['white']}		
a woman with blue hair wearing a shirt	a woman with [red] hair wearing a [coat]	{'red': {'position': 3, 'edit_type': 6, 'action': 'blue'}, 'coat': {'position': 7, 'edit_type': 1, 'action': 'shirt'}}	{'hair': ['red'], 'coat': []}		

a cat sitting with beads collar	a [orange] cat sitting with [cotton] [scarf] [putting hands up]	: {'orange': {'position': 1, 'edit_type': 6, 'action': '+'}, 'cotton': {'position': 4, 'edit_type': 7, 'action': 'beads'}, 'scarf': {'position': 5, 'edit_type': 1, 'action': 'scarf'}, 'putting hands up': {'position': 6, 'edit_type': 5, 'action': '+'}}	{'cat': ['orange', 'putting hands up'], 'scarf': ['cotton']}		
sunset over a field with clouds and a bright sky	sunset over a field with [pink] [stars] and a [dark] sky	{'pink': {'position': 5, 'edit_type': 6, 'action': '+'}, 'stars': {'position': 5, 'edit_type': 1, 'action': 'clouds'}, 'dark': {'position': 8, 'edit_type': 8, 'action': 'bright'}}	{'stars': ['pink'], 'dark': []}		
purple tulips in vase	[yellow] [roses] in [blue] vase	{'yellow': {'position': 0, 'edit_type': 6, 'action': 'purple'}, 'roses': {'position': 1, 'edit_type': 1, 'action': 'tulips'}, 'blue': {'position': 3, 'edit_type': 6, 'action': '+'}}	{'roses': ['yellow'], 'vase': ['blue']}		
photo of horses running in the woods	[painting] of [white] [unicorns] [standing] in the woods	{'painting': {'position': 0, 'edit_type': 9, 'action': 'photo'}, 'white': {'position': 2, 'edit_type': 6, 'action': '+'}, 'unicorns': {'position': 2, 'edit_type': 1, 'action': 'horses'}, 'standing': {'position': 3, 'edit_type': 5, 'action': 'running'}}	{'unicorns': ['white', 'standing']}		

PIE-Bench++ 편집 성능 비교

원본 이미지	SD 1.5 + DDIM scheduler	SDXL + Prompt Engineering	MasaCtrl + SDXL	ParallelEdits