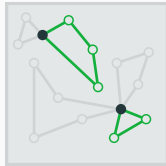
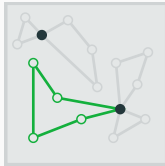
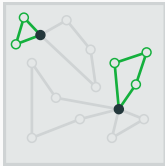


Input



Solution