

Unit2, Lesson1: Graph Paper Programming Assignment

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Simple Image:

Algorithm:

→		→		→	↓	←	←	←
<i>Step 1</i>	2	3	4	5	6	7	8	9

Repeat Step 1-9, three times!

Complex Image:

↻	→	↻	→	↻	→	↻	→	→	↻	→	↻	→	↻	→
<i>Step 16</i>	17	↓	↻	←	↻	←	↻	←	←	←	←	↻	←	↻
<i>Step 31</i>	↻	←	↓											
<i>Step 1</i>	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

Steps

35. color

36. forward arrow

37. color
38. forward arrow
39. forward arrow
40. forward arrow
41. forward arrow
42. forward arrow
43. forward arrow
44. forward arrow
45. color
46. forward arrow
47. color
48. down arrow
49. color
50. backward arrow
51. backward arrow
52. backward arrow
53. backward arrow
54. backward arrow
55. backward arrow
56. backward arrow
57. backward arrow
58. backward arrow
59. color
60. down arrow
61. color
62. forward arrow
63. color
64. forward arrow
65. forward arrow
66. forward arrow
67. forward arrow
68. forward arrow
69. forward arrow
70. color
71. forward arrow
72. color
73. backward arrow
74. backward arrow
75. backward arrow
76. backward arrow
77. backward arrow
78. backward arrow
79. backward arrow
80. backward arrow

81. backward arrow

82. down arrow

83. repeat steps 61-82 (one time)

84.

↯	→	↯	→	→	→	↯	→	→	→	↯	→	↯	↓
←	←	←	←	←	←	←	←						

Repeat the steps in the following box 2 more times