

ນາງ ໃຈປະສົງ ວົງພັນສີ 3CS2

1. ຈົ່ງຄຳນວນຫາຄ່າພິກເຊວຂອງພາບອາວພຸດທີ່ໄດ້ຈາກການເຮັດ Dilation

B

	1	0	0
0		1	0
0	0	0	0

A

0	0	0	0	0
0	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

ພາບ Input

ຜົນໄດ້ຮັບ Output

ແກ້:

ເມັດທີ 1

B

	1	0	0
0		1	0
0	0	0	0

A

1	0	0	0	0
0	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

ພາບ Input

1	0	0	0	0
0	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

ຜົນໄດ້ຮັບ Output

ເມັດທີ 2

0	1	0	0	0
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1	1	0	0	0
---	---	---	---	---

A

0	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

0	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

រៀបចំ 3

A

0	0	1	0	0
0	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

1	1	1	0	0
0	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

រៀបចំ 4

A

0	0	0	0	0
1	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

1	1	1	0	0
1	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

រៀបចំ 5

A

0	0	0	0	0
0	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

1	1	1	0	0
1	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

រៀបចំ 6

A

0	0	0	0	0
0	1	1	1	0
1	1	1	0	0
0	1	1	1	0
0	0	0	0	0

1	1	1	0	0
1	1	1	1	0
1	1	1	0	0
0	1	1	1	0
0	0	0	0	0

រៀបចំ 7

A

0	0	0	0	0
0	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

1	1	1	0	0
1	1	1	1	0
1	1	1	0	0
0	1	1	1	0
0	0	0	0	0

ເມັດທີ 8

A

0	0	0	0	0
0	1	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

1	1	1	0	0
1	1	1	1	0
1	1	1	0	0
0	1	1	1	0
0	0	0	0	0

ຜົນໄດ້ຮັບສຸດທ້າຍ ຫຼັງຈາກເລື່ອນ B ຄົບ 8 ເມັດຂອງເມັດ A

1	1	1	0	0
1	1	1	1	0
1	1	1	0	0
0	1	1	1	0
0	0	0	0	0

3. ຈົ່ງຄຳນວນຫາຄ່າພິກເຊວຂອງພາບອາວພຸດທີ່ໄດ້ຈາກການເຮັດ Erosion

B

0	0	0
0	1	0
0	1	0

A

0	0	0	0	0
0	1	0	0	0
0	1	1	0	0
0	0	1	1	0
0	0	0	0	0

ឃ្លាប Input

ផលនៃការបញ្ចេញ Output

ឆ្នាំ:

ឆ្នាំទី 1

B

0	0	0
0	1	0
0	1	0

A

0	0	0	0	0
0	1	0	0	0
0	1	1	0	0
0	0	1	1	0
0	0	0	0	0

0	0	0	0	0
0	1	0	0	0
0	1	1	0	0
0	0	1	1	0
0	0	0	0	0

ឃ្លាប Input

ផលនៃការបញ្ចេញ Output

ឆ្នាំទី 2

A

0	0	0	0	0
0	1	0	0	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

0	0	0	0	0
0	1	0	0	0
0	0	1	0	0
0	0	1	1	0
0	0	0	0	0

ឆ្នាំទី 3

A

0	0	0	0	0
0	1	0	0	0
0	1	1	0	0
0	0	1	1	0
0	0	0	0	0

0	0	0	0	0
0	1	0	0	0
0	0	1	0	0
0	0	1	1	0
0	0	0	0	0

ឆ្នាំទី 4

A

0	0	0	0	0
0	1	0	0	0
0	1	1	0	0
0	0	1	1	0

0	0	0	0	0
0	1	0	0	0
0	0	1	0	0
0	0	0	1	0

0	0	1	0	0
---	---	---	---	---

0	0	0	0	0
---	---	---	---	---

ជំពូទី 5

A

0	0	0	0	0
0	1	0	0	0
0	1	1	0	0
0	0	1	1	0
0	0	0	1	0

0	0	0	0	0
0	1	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	0	0	0

ផលនៃការបំប្លែង Output

0	0	0	0	0
0	1	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	0	0	0

2. ຈົ່ງຄຳນວນຫາຄ່າພິກເຊວຂອງພາບອາວພຸດທີ່ໄດ້ຈາກການເຮັດ Dilation

B

0	0	1
0	1	0
0	0	1

A

0	0	0	0	0
0	0	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

ພາບ Input

ຜົນໄດ້ຮັບ Output

ແກ້:

ເມັດທີ 1

B

0	0	1
0	1	0
0	0	1

A

0	0	0	1	0
0	0	1	1	0
0	1	1	1	0
0	1	1	1	0
0	0	0	0	0

ພາບ Input

0	0	0	1	0
0	0	1	1	0
0	1	1	1	0
0	1	1	1	0
0	0	0	0	0

ຜົນໄດ້ຮັບ Output

ເມັດທີ 2

0	0	0	0	1
---	---	---	---	---

0	0	0	1	1
---	---	---	---	---

A

0	0	1	1	0
0	1	1	0	1
0	1	1	1	0
0	0	0	0	0

0	0	1	1	0
0	1	1	1	1
0	1	1	1	0
0	0	0	0	0

ជំហាន 3

A

0	0	0	0	0
0	0	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

0	0	0	1	1
0	0	1	1	0
0	1	1	1	1
0	1	1	1	0
0	0	0	0	0

ជំហាន 4

A

0	0	0	0	0
0	0	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	0	0	0

0	0	0	1	1
0	0	1	1	0
0	1	1	1	1
0	1	1	1	0
0	0	0	0	0

ជំហាន 5

A

0	0	0	0	0
0	0	1	1	0
0	1	1	0	0
0	1	1	1	0
0	0	1	0	0

0	0	0	1	1
0	0	1	1	0
0	1	1	1	1
0	1	1	1	0
0	0	1	0	0

ជំហាន 6

A

0	0	0	0	0
0	0	1	1	0
0	1	1	1	0
0	1	1	1	0
0	0	0	1	0

0	0	0	1	1
0	0	1	1	0
0	1	1	1	1
0	1	1	1	0
0	0	1	1	0

ជំហាន 7

A

0	0	0	0	0
0	0	1	1	0
0	1	1	0	1
0	1	1	1	0
0	0	0	0	1

0	0	0	1	1
0	0	1	1	0
0	1	1	1	1
0	1	1	1	0
0	0	1	1	1

ຜົນໄດ້ຮັບສຸດທ້າຍ ຫຼັງຈາກເລື່ອນ B ຄົບ 8 ເມັດຂອງເມັດ A

0	0	0	1	1
0	0	1	1	0
0	1	1	1	1
0	1	1	1	0
0	0	1	1	1

4. ຈົ່ງຄຳນວນຫາຄ່າພິກເຊວຂອງພາບອາວຸໂສທີ່ໄດ້ຈາກການເຮັດ Erosion

B

0	0	0
0	1	0
1	0	1

A

0	0	0	0	0
0	0	1	0	0
0	1	1	1	0
0	0	1	0	0
0	0	0	0	0

ພາບ Input

ຜົນໄດ້ຮັບ Output

ແກ້:

ເມັດທີ 1

B

0	0	0
0	1	0
1	0	1

A

0	0	0	0	0
0	0	1	0	0
0	1	1	1	0
0	0	1	0	0
0	0	0	0	0

0	0	0	0	0
0	0	1	0	0
0	1	1	1	0
0	0	1	0	0
0	0	0	0	0

ພາບ Input

ຜົນໄດ້ຮັບ Output

ເມັດທີ 2

A

0	0	0	0	0
0	0	1	0	0
0	1	1	1	0
1	0	1	0	0
0	0	0	0	0

0	0	0	0	0
0	0	1	0	0
0	0	1	1	0
0	0	1	0	0
0	0	0	0	0

ເມັດທີ 3

A

0	0	0	0	0
0	0	1	0	0
0	1	1	1	0
0	1	1	1	0
0	0	0	0	0

0	0	0	0	0
0	0	1	0	0
0	0	0	1	0
0	0	1	0	0
0	0	0	0	0

ເມັດທີ 4

A

0	0	0	0	0
0	0	1	0	0
0	1	1	1	0
0	0	1	0	1

0	0	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	1	0	0



0	0	0	0	0
---	---	---	---	---

0	0	0	0	0
---	---	---	---	---

រៀបចំ 5

A

0	0	0	0	0
0	0	1	0	0
0	1	1	1	0
0	0	1	0	0
0	1	0	1	0

0	0	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

ផ្សេងទៀតស្របតាម Output

0	0	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0



