

1. Source code test_parent_common.py

```
from odoo.tests import common

A class TestParentCommon(common.SavepointCase):
    def setUp(self):
        super(TestParentCommon, self).setUp()
1        self.op_parent = self.env['op.parent']
2        self.op_student = self.env['op.student']
3        self.subject_registration = self.env['op.subject.registration']
```

test_parent.py

```
from .test_parent_common import TestParentCommon

B class TestParent(TestParentCommon):

    def setUp(self):
        super(TestParent, self).setUp()

    def test_case_1_parent(self):
4        parents = self.op_parent.search([])
        vals = {
            'name': self.env.ref('openeducat_core.op_res_partner_31').id,
            'user_id': self.env.ref('openeducat_parent.user_parent').id,
            'mobile': 8334845,
        }
        new_parent = self.op_parent.create(vals)
        new_parent.create_parent_user()
        student = self.env.ref('openeducat_parent.user_parent').id
        val = {'mobile': 77777777}
        self.op_parent.search([('user_id', '=', student)]).write(val)

5        for parent in parents:
6            parent._onchange_name()

7        self.op_parent.search([('user_id', '=', student)]).unlink()
```

```

8| def test_case_2_student(self):
    vals = {
        'user_id': self.env.ref('openeducat_parent.user_parent').id,
        'partner_id': self.env.ref('openeducat_parent.res_partner_33').id,
        'name': 'nikul',
        'last_name': 'ahir',
        'gender': 'm',
        'birth_date': '2009-01-01',
        'mobile': '73482383624',
        'email': 'nik@gmail.com',
        'parent_ids': [(6, 0, [self.env.ref('openeducat_parent.op_parent_1').id])],
    }

    self.op_student.create(vals)
    vals.update({
        'name': 'NIK AHIR',
        'parent_ids': [(6, 0, [self.env.ref('openeducat_parent.op_parent_1').id])],
    })
    self.op_student.write(vals)
    self.op_student.unlink()

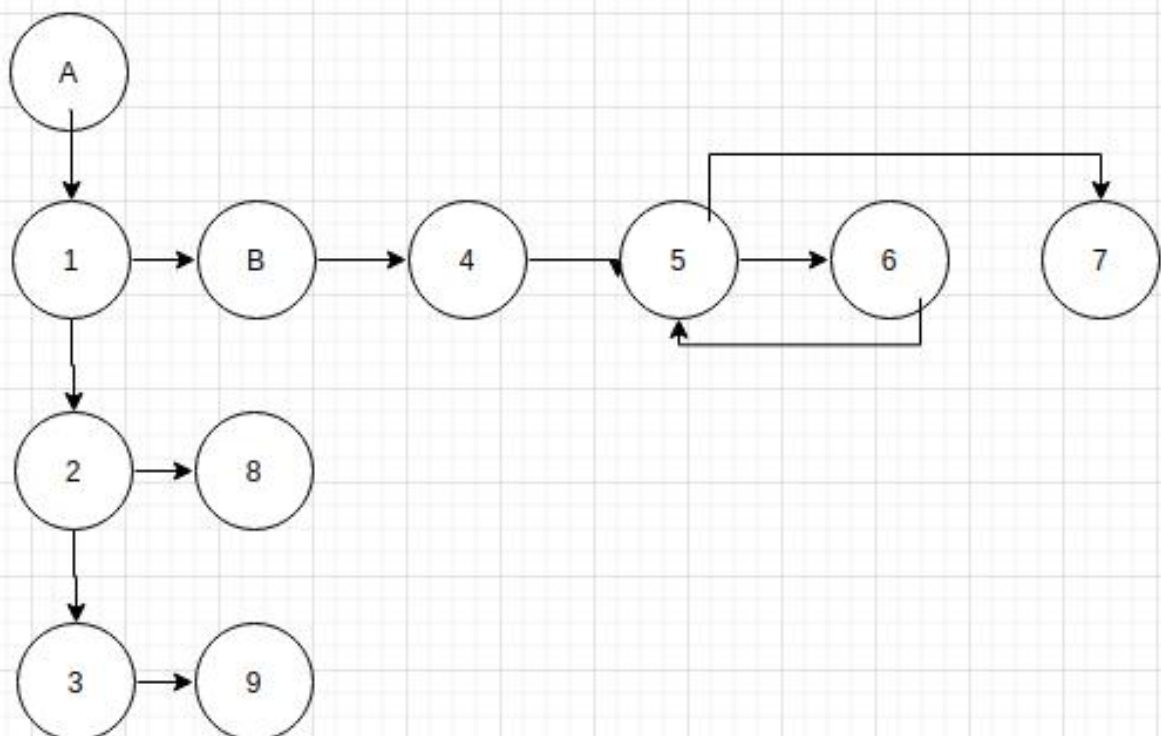
```

```

9| def test_case_3_subject_registartion(self):
    vals = {
        'student_id': self.env.ref('openeducat_core.op_student_1').id,
        'course_id': self.env.ref('openeducat_core.op_course_2').id,
        'batch_id': self.env.ref('openeducat_core.op_batch_1').id,
    }
    self.subject_registration.create(vals)
    self.subject_registration.write(vals)

```

2. Flowgraph



3. Cyclometric Complex

$$V(G) = E - N + 2$$

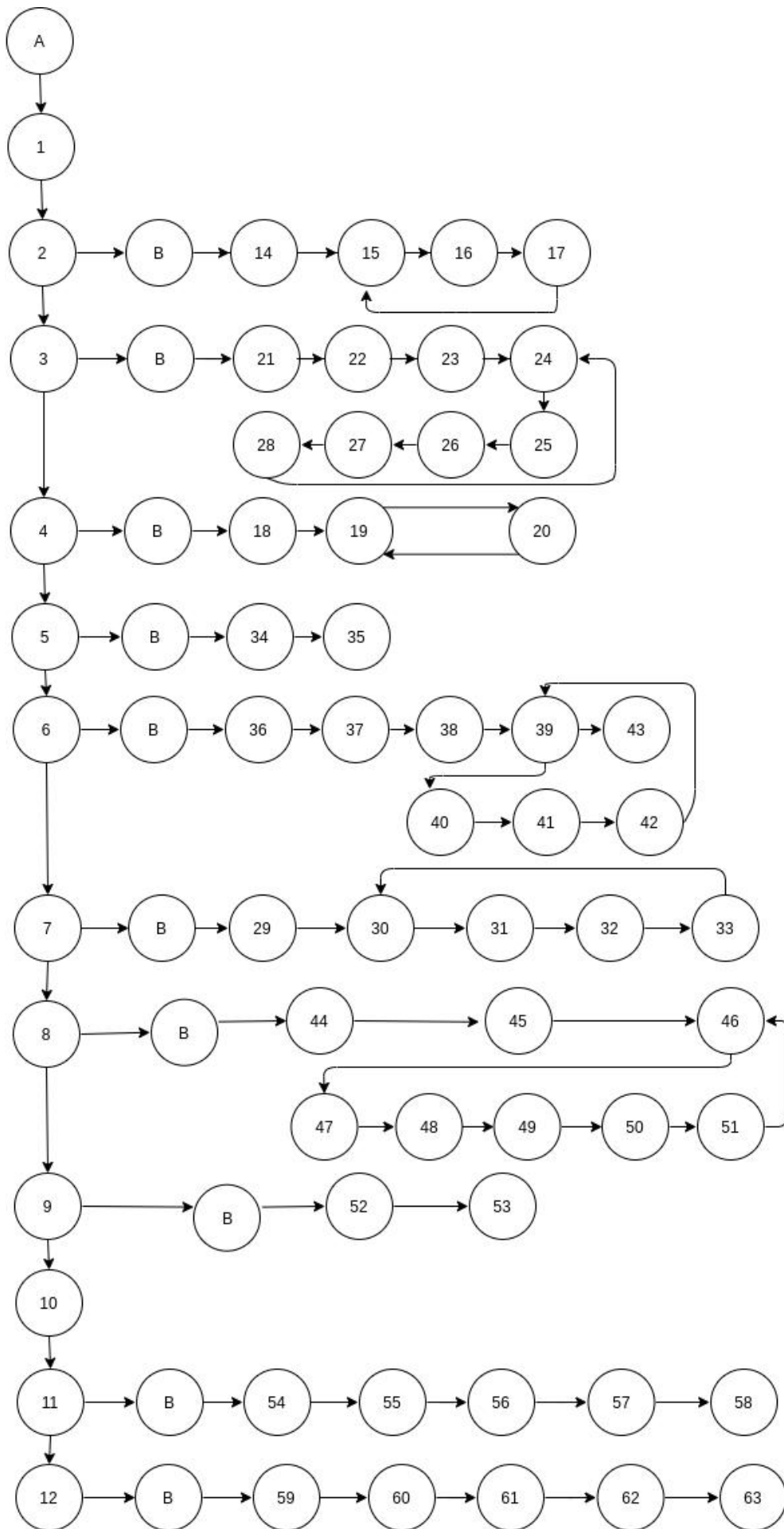
$$= 11 - 11 + 2$$

$$= 2$$

4. Test CASE

No	Data Uji	Keluaran yang diharapkan	Hasil Uji
1	name = munair	menampilkan data parent	valid
	user_id = 1		
	mobile=8334845		
2	user_id = 1	Berhasil menambah data student	valid
	partner_id		
	name = munair		
	last_name=ahir		
	gender=m		
	birth_date=2009-01-01		
	mobile=8334845		
	email=nik@gmail.com		
3	parent_ids=1	upate data student	valid
	name		
	NIK AHIR		
	student_id	berhasil registrasi	valid
	course_id		
	batch_id		

5. FlowGraph



6. Cyclometric Complex
 $V(G) = E - N + 2$

$$= 81 - 75 + 2$$

$$= 8$$

7. Test Case

No	Data Uji	Keluaran Yang Diharapkan	Hasil Uji
1	BOA-S1	Menemukan data batch yg dicari	valid
2	TEST	Menemukan data course	valid
3	first_name = binapshah last_name = kalol birth_date = 2009-01-01 gender = male	Insert data to fakultas	valid
4	munir	menemukan data pegawai	valid
5	pt nakula sadewa	menemukan perusahaan user lalu menyimpan data user	
6	first_name = nikul middle_name = m last_name = ahir birth_date = 1999-01-01 gender = m	mencari data student menyimpan data student	valid
7	test	Regisatrasi kursus	valid
8	update	menerima notiifikasi	valid
9		menampilkan data fakultas ids	valid
10		menampilan data user menurut ids	valid