| Study Program Name | Bachelor, Mathematics Department, FMKSD-ITS |
|---------------------|---|
| Course Name | Algorithms And Programming |
| Course Code | KM184202 |
| Semester | 2 |
| Credits | 4 |
| Supporting Lecturer | Dr. Dwi Ratna, MT |

Assessment Design

Week number-: 4 Assignment: 2

1. Assignment Objective:

Students able to understand algorithm and able to construct algorithm from a real problem to a program flowchart (2,3)

2. Assignment Description

a. Objects studied:

Creating flowchart from a real problem.

b. What needs to be done and its constraints : Creating a flowchart according to the given problem

c. Method to complete the assignment:

The assignment is written on a paper

d. Outcome:

Understand the method to create flowchart

3. Question example:

A university offers credits for its courses with the following criteria:

- Theory: one credit for 25 hours
- Laboratories : one credit for 10 hours

Create a flowchart that reads the number of hours in theory and the number of hours in laboratory that is taken by a student then compute the total credits

4. Scoring criteria

| No. | Aspect / Assessed Concept | Score |
|-----|--|-------|
| 1 | Able to define the initial conditions and final conditions of the algorithm : | 20 |
| | Input: Number of theoretical hours and number of laboratory hours | |
| | Output : Total Credits | |
| 2 | Able to draw the input and output processes | 20 |
| 3 | Able to draw the computation process | 20 |
| 3 | Able to create the complete flowchart completely and correctly | 40 |
| | Display "Enter Hours of theory Completed" Accept Theory Hours Display "Enter Hours of Lab Completed" Accept Lab Hours Calculate Theory credits as Theory Hours divided by 25 Calculate Lab credits as Lab Hours divided by 10 Calculate total credits as the sum of theory credits and Lab credits | |

| Study Program Name | Bachelor, Mathematics Department, FMKSD-ITS |
|----------------------------|---|
| Course Name | Artificial neural networks |
| Course Code | KM184828 |
| Semester | 8 |
| Credits | 2 |
| Supporting Lecturer | Prof. Dr. Mohammad Isa Irawan, MT |

Weeks : 4, 5 Task : 1

1. Purpose of task :

Students are able to demonstrate through a simple program in Java or MATLAB to implemented Perceptron algorithm to recognized operator logic AND, OR, NAND dan NOR.

- 2. Task description
 - a. Claim object

Project programming - Implementation of perceptron algorithm to recognized operator logic.

- b. What to do and limitation :
 - Create a program that can demonstrate ability of perceptron to memorize input-output data, and recognized the pattern
- c. Description of output of work produced / done:
 Report and program that must be presented in front of other students

3. Assessment criteria

| No. | Assessed Aspects / Concepts | Score |
|-----|--|-------|
| 1 | Able to demonstrate ability of perceptron algorithm | 30 |
| 2 | Able to implement in programming language Java / Python, minimum in MATLAB | 40 |
| 3 | Able to demonstrate the program well, user friendly, and beautiful | 30 |
| | Score Total | 100 |

| Study Program Name | Bachelor, Mathematics Department, FMKSD-ITS |
|----------------------------|---|
| Course Name | Artificial Neural Networks |
| Course Code | KM184828 |
| Semester | 8 |
| Credits | 2 |
| Supporting Lecturer | Prof. Dr. Mohammad Isa irawan, MT |

Week - : 15 Task : 2

1. Purpose of task : Student able to explain others algorithms that have not implemented yet in a project.

2. Task description

a. Claim object

Explain a part of book which contain an algorithm of ANNs

b. What to do and limitation:

Make a presentation to explain an algorithm which has not implemented in project programming.

- c. Method/way of done reference used:

 Tasks are typed in a power point that contain algorithm, and example of application.
- d. Description of output of work produced / done:
 A power point and translation in word.

3. Assessment criteria

4.

| No. | Assessed Aspects / Concepts | Score |
|-----|--|-------|
| 1 | Able to explain one or more other algorithm which have not been implemented yet in the programming project | 30 |
| 2 | Able to explain using examples from literature | 40 |
| 3 | Able to explain clearly and systematically | 30 |
| | Score total | 100 |

Course : Elementary Linear Algebra

Semester : 2 (Dua)

Code : KM184203 sks : 4

EXAMPLE OF QUIZ QUESTIONS

1. Complete the following system of linear equation with the Gaussian / Gauss Jordan elimination

$$x - 2z + 7u = 11$$

$$2x - y + 3z + 4u = 9$$

$$3x - 3y + z + 5u = 8$$

$$2x + y + 4z + 4u = 10$$

2. Given the following system of linear equation

$$x + 2y - 3z = 4$$

$$3x - y + 5z = 2$$

$$4x + y + (a^2 - 14)z = a + 2$$

- a. Determine the value of a for the system of linear equation above to have one solution
- b. Determine the value of a for the system of linear equation above to have many solutions
- c. Determine the value of a for the system of linear equation above to have no one solution

3. Given
$$A = \begin{bmatrix} 1 & 0 & 1 \\ 0 & 1 & 1 \\ 1 & 1 & 0 \end{bmatrix}$$

- a. Determine A^{-1}
- b. Complete the linear equation AX = B if $B = \begin{bmatrix} 1 \\ 2 \\ 1 \end{bmatrix}$

4. Determine
$$\begin{vmatrix} 0 & 5 & 5 & 5 \\ \frac{1}{7} & \frac{2}{7} & 1 & \frac{5}{7} \\ 100 & 50 & 100 & 0 \\ \frac{1}{3} & 0 & \frac{5}{3} & 0 \end{vmatrix}$$

5. If
$$A = \begin{bmatrix} a & b & c \\ d & e & f \\ g & h & i \end{bmatrix}$$
 and det $A = 4$

- a. Determine $det (4A)^{-1}$
- b. Determine $\begin{vmatrix} a+d & a-d & g \\ b+e & b-e & h \\ c+f & c-f & i \end{vmatrix}$

SAMPLE HOW TO ASSESS NO 2

| STEPS | STEPS | SKOR |
|-------|--|------|
| I | Student able to make augmented matrix $\begin{pmatrix} 1 & 2 & -3 & 4 \\ 3 & -1 & 5 & 2 \\ 4 & 1 & a^2 - 14 & a + 2 \end{pmatrix}$ | 4 |
| II | Students are able to use Elementary Linear Operations to change the augmented matrix into a lower triangle matrix $\begin{pmatrix} 1 & 2 & -3 & & 4 \\ 3 & -1 & 5 & & 2 \\ 4 & 1 & a^2 - 14 a + 2 \end{pmatrix}$ $OBE: B_2 - 3B_1$ and $B_4 - 4B_1 \begin{pmatrix} 1 & 2 & -3 & & 4 \\ 0 & -7 & 14 & & -10 \\ 0 & -7 & a^2 - 2 a - 14 \end{pmatrix}$ $OBE: B_2x - \frac{1}{7}$ $\begin{pmatrix} 1 & 2 & -3 & & 4 \\ 0 & 1 & -2 & & \frac{10}{7} \\ 0 & -7 & a^2 - 2 & a - 14 \end{pmatrix}$ $OBE: B_3 + 7B_2 \begin{pmatrix} 1 & 2 & -3 & & 4 \\ 0 & 1 & -2 & & \frac{10}{7} \\ 0 & 0 & a^2 - 16 & \frac{7}{7} \\ a - 4 \end{pmatrix}$ | 4 |

| III | a. Students are able to determine the conditions for the above system of linear equation to have one solution Condition : $a^2-16\neq 0$ | 4 |
|-----|---|---|
| | Answer: $a \neq -4,4$ | |
| IV | b. Students are able to determine the conditions for the system of linear equation above to have many solutions $ {\rm Condition}: a^2-16=0 \ {\rm dan} \ a-4=0 $ $ {\rm Answer}: a=4 $ | 4 |
| | | 4 |
| V | c. Students are able to determine the conditions for the system of linear equation above to have no solutions Condition : $a^2 - 16 = 0$ dan $a - 4 \neq 0$ | 4 |
| | Answer: $a = -4$ | |

Task Design Format

| Study Program Name | Bachelor, mathematics Department, FMKSD-ITS |
|---------------------|---|
| Course Name | Function of Complex Variables |
| Course Code | KM184602 |
| Semester | 6 |
| SKS | 3 |
| Supporting Lecturer | Drs. Sentot Didik Surjanto, M.Si |

Weeks: 2 Tasks: 2

1. Purpose of Task:

Students are able to calculate and prove complex roots

- 2. Description of Task:
 - a. Claim object

Determines the roots of complex numbers and prove the predetermined roots.

b. What to do and limitation:

Determine the complex roots and prove the complexity of the complexity

c. Method/way of reference work used :

The task is done on folio paper

d. Description of output of work produced / done:

Understand the calculations and properties of the roots of complex numbers

1. If z = a + ib and w = x + iy, show root z that meets equation $w^2 = z$

is

$$\pm\left\{\sqrt{\frac{a}{2}+\frac{1}{2}\sqrt{a^2+b^2}}\left(1-\frac{a-\sqrt{a^2+b^2}}{b}i\right)\right\}$$

3. Assessment criteria

| No. | Assessed Aspects / Concepts | Score |
|-----|-----------------------------------|-------|
| 1 | Prove: | 25 |
| | $w^2 = z \to (x + iy)^2 = a + ib$ | |

| $x^2 - y^2 + i2xy = a + ib$ | | | | | | |
|-----------------------------|---|----|--|--|--|--|
| 2 | Then $ \begin{cases} x^2 - y^2 &= a \\ 2xy &= b \end{cases} $ | 25 | | | | |
| 3 | Assume $b \neq 0 \rightarrow y = \frac{b}{2x}$ substitute to $x^2 - y^2 = a \rightarrow x^2 - \left(\frac{b}{2x}\right)^2 = a$ $4x^4 - b^2 = 4ax^2 \rightarrow x^4 - ax^2 - \frac{b^2}{4} = 0$ $\left(x^2 - \frac{a}{2}\right)^2 = \frac{a^2 + b^2}{4} \ge 0$ | 25 | | | | |
| 4 | So $x^2 = \frac{a}{2} \pm \sqrt{\frac{a^2 + b^2}{4}} = \frac{a}{2} \pm \frac{1}{2} \sqrt{a^2 + b^2}$ | 25 | | | | |
| 5 | Since $\frac{1}{2}\sqrt{a^2+b^2} \ge \frac{a}{2}$, then the fulfillment is $x = \pm \sqrt{\frac{a}{2} + \frac{1}{2}\sqrt{a^2+b^2}}$ | | | | | |
| 6 | Root from $z = a + ib$ is $\pm \left[\sqrt{\frac{a}{2} + \frac{1}{2} \sqrt{a^2 + b^2}} \left(1 - \frac{a - \sqrt{a^2 + b^2}}{b} i \right) \right]$ | | | | | |
| | Score total 1 | | | | | |

Example of Description Test

Questions:

1. Determine the root of $(\sqrt{3} + i)^{1/2}$ Answer:

$$\begin{split} \sqrt{3} + i &= 2 \exp\left[i\left(\frac{\pi}{6} + 2k\pi\right)\right]; k = 0, \pm 1, \cdots \\ c_k &= \sqrt{2} \exp\left[i\left(\frac{\pi}{12} + k\pi\right)\right]; k = 0, 1 \\ c_0 &= \sqrt{2} \exp\left[i\left(\frac{\pi}{12}\right)\right] = \sqrt{2} \cos\left(\frac{\pi}{12}\right) \\ \cos^2\left(\frac{\alpha}{2}\right) &= \frac{1 + \cos\alpha}{2}; \quad \sin^2\left(\frac{\alpha}{2}\right) = \frac{1 - \cos\alpha}{2} \\ \cos^2\left(\frac{\pi}{12}\right) &= \frac{1 + \cos(\pi/6)}{2} = \frac{1}{2}\left(1 + \frac{\sqrt{3}}{2}\right) = \frac{2 + \sqrt{3}}{4} \\ \sin^2\left(\frac{\pi}{12}\right) &= \frac{1 - \cos(\pi/6)}{2} = \frac{1}{2}\left(1 - \frac{\sqrt{3}}{2}\right) = \frac{2 - \sqrt{3}}{4} \\ c_0 &= \sqrt{2}\left(\sqrt{\frac{2 + \sqrt{3}}{4}} + i\sqrt{\frac{2 - \sqrt{3}}{4}}\right) = \frac{1}{\sqrt{2}}\left(\sqrt{2 + \sqrt{3}} + i\sqrt{2 - \sqrt{3}}\right) \end{split}$$
 Since $c_1 = -c_0$, the root of $\sqrt{3} + i$ is
$$\pm \frac{1}{\sqrt{2}}\left(\sqrt{2 + \sqrt{3}} + i\sqrt{2 - \sqrt{3}}\right) \end{split}$$

Score Guidelines

| No. | Assessed Aspects / Concepts | Score |
|-----|--|-------|
| 1 | Able to calculate modulus and complex number arguments $\sqrt{3} + i = 2 \exp\left[i\left(\frac{\pi}{6} + 2k\pi\right)\right]; k = 0, \pm 1, \cdots$ $c_k = \sqrt{2} \exp\left[i\left(\frac{\pi}{12} + k\pi\right)\right]; k = 0, 1$ $c_0 = \sqrt{2} \exp\left[i\left(\frac{\pi}{12}\right)\right] = \sqrt{2} \cos\left(\frac{\pi}{12}\right)$ | 30 |
| 2 | Able to prove trigonometric equations | |

| | $\cos^{2}\left(\frac{\alpha}{2}\right) = \frac{1+\cos\alpha}{2}; \sin^{2}\left(\frac{\alpha}{2}\right) = \frac{1-\cos\alpha}{2}$ $\cos^{2}\left(\frac{\pi}{12}\right) = \frac{1+\cos(\pi/6)}{2} = \frac{1}{2}\left(1+\frac{\sqrt{3}}{2}\right) = \frac{2+\sqrt{3}}{4}$ $\sin^{2}\left(\frac{\pi}{12}\right) = \frac{1-\cos(\pi/6)}{2} = \frac{1}{2}\left(1-\frac{\sqrt{3}}{2}\right) = \frac{2-\sqrt{3}}{4}$ | 40 |
|-----|---|----|
| 3 | Able to count and substitute complex numbers in exponential form $c_0 = \sqrt{2} \left(\sqrt{\frac{2+\sqrt{3}}{4}} + i \sqrt{\frac{2-\sqrt{3}}{4}} \right) = \frac{1}{\sqrt{2}} \left(\sqrt{2+\sqrt{3}} + i \sqrt{2-\sqrt{3}} \right)$ Since $c_1 = -c_0$, then root from $\sqrt{3} + i$ is $\pm \frac{1}{\sqrt{2}} \left(\sqrt{2+\sqrt{3}} + i \sqrt{2-\sqrt{3}} \right)$ | 30 |
| 100 | | |

Course : Introduction to Dynamical Optimization

Semester : VII

Code : KM184716 sks : 2

Weeks : 4

1. Purpose of Task :

Students are able to explain the concept of optimal function and function

2. Task Description

a. Claim Object

Function optimization and simple functional forms

b. What to do and limitation

B1. Determine whether the following functions are maximum or minimum

$$f = x^4 + y^4 - 2x^2 + 4xy - 2y^2$$

B2. Find distance between curve y = x and $y = x^2$ on interval [0,1]

B3. Determine extreme conditional from f = xyz with condition

$$x + y + z = 5$$
$$xy + yz + zx = 8$$

B4. Determine change in functional

$$J[y(x)] = \int_0^1 y(x) \ y'^{(x)} dx$$

if given
$$y(x) = e^x \operatorname{dan} y_1(x) = 1$$
.

c. Method/way reference work used :

Tasks are typed in A4 paper size 12 letter spacing 1.15 normal margins.

d. Description of output of work produced/ done
Writing about the solutions to several problems given

3. Assessment criteria

| No. | Assessed Aspects / Concepts | Score | | | | |
|-------------|---|-------|--|--|--|--|
| 1 | 1 Able to determine optimization (maximum and minimum values) of a function | | | | | |
| 2 | Able to determine the distance between two functions | 25 | | | | |
| 3 | Able to determine extreme conditionals of functions $f = xyz$ with a constraint | 25 | | | | |
| 4 | 4 Able to determine changes in functional J [y (x)] with an constraint | | | | | |
| Score total | | | | | | |

Course : Statistical Method

Semester : III (Tiga)

Code : KM184305 sks : 3

Week-: 3 Task: 3

1. Task Goal:

Students are able to determine the mean, variant distribution of variables and opportunities

2. Task Description

a. Object:

Determine the sample space of all occurrences of an experiment, determine the distribution of variable X and calculate the probability of variable X

b. What to do and limitation:

Determine sample space and calculate probability of variable X

c. Method used :

Task is done in folio paper

d. Description of task output that has done:

Completion according to the chapter that has been taught

- 1. The success of someone entering the CPNS test is 0.4, if 15 people take the test, how many opportunities:
- a. At least 10 people succeeded
- b. There are 3-8 people who succeed
- c. Right 5 people who succeed

d. With Chebyshev's argument, determine and interpret the interval $\mu \pm 2\sigma$

3. Question and evaluation criteria

| No. | Assessed Aspects / Concepts | Score |
|-----|---|-------|
| 1 | Answer a: | 25 |
| | At least 10 people succeeded | |
| | Let X is people that succeeded, than | |
| | $P(X \ge 10) = 1 - P(X < 10)$ | |
| | $=1-\sum_{x=1}^{9}b(x;15,0.4)$ | |
| | = 1 - 0.9662 = 0.0338 | |
| 2 | Answer b: | 25 |
| | There are 3-8 people succeed | |
| | $P(3 \le X \le 8) = \sum_{x=3}^{8} b(x; 15, 0.4)$ | |
| | $= \sum_{x=0}^{8} b(x; 15, 0.4) - \sum_{x=0}^{2} b(x; 15, 0.4)$ | |
| | = 0.9050 - 0.0271 = 0.8779 | |
| 3 | Answer c: | 25 |
| | Right 5 people who succeed | |
| | P(X = 5) = b(5; 15, 0.4) | |

| | $\sum_{x=0}^{5} b(x; 15, 0.4) - \sum_{x=0}^{4} b(x; 15, 0.4)$ $= 0,4032 - 0,2173 = 0,1859$ | |
|---|--|-----|
| 4 | Answer d: | 25 |
| | With Chebyshev's argument, determine and interpret the interval $\mu \pm 2\sigma$ | |
| | Is a binomial experiment with: | |
| | $n = 15; \ p = 0.4 \rightarrow \mu = 15 \cdot 0.4 = 6 \ dan \ \sigma^2 = 15 \cdot 0.4 \cdot 0.6$ = 3.6 \rightarrow \sigma = \sqrt{3.6} = 1.897 | |
| | So $\mu \pm 2\sigma = 6 \pm 2 \cdot 1,897$ or from 2,206 to 9,794. Dari Chebyshev states that the number of successful tests among 15 participants is between 2,206 to 9,794 with at least opportunities $\frac{3}{4}$. | |
| | Score Total | 100 |

Test Planning

TIU : Students are able to identify natural phenomena which are examples of statistical method problems [C3,A3]

| No Subject and Sub-topic | | Ques | stion Nun | nbers | Total Questions | Weights |
|--------------------------|---------------------------|------|-----------|-------|-----------------|---------|
| | | C2 | C3 | C4 | | (%) |
| 1 | 2 | 3 | | 4 | 5 | 6 |
| 1. | Subjet-1 | | 4 | | 4 | 16 |
| 2. | Subject-2 | | 2 | | 2 | 8 |
| 3. | Subject-3 | | | 4 | 4 | 16 |
| 4. | Subject-4 | | 4 | | 4 | 16 |
| 5. | Subject-5 | | | 4 | 4 | 16 |
| 6. | Subject-6 | | | 4 | 4 | 16 |
| 7. | Subject-7 | | | 3 | 3 | 12 |
| | Number of item questions: | | 10 | 15 | 25 | |
| | Percentage (%): | | | 100 | | 100 |

| No | Special Learning Objectives (TIK) | Questions Number | |
|----|-----------------------------------|------------------|--|
| | | | |

| | | | С3 | C4 | Р3 | P4 | А3 | A4 | Question Numbers | Weight % |
|----|------------------|-----------|----|----|----|----|----|----|---------------------|-------------|
| 1 | 2 | | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1. | TIK-1 | | 2 | | 1 | | 1 | | 4 | 16 |
| 2. | TIK-2 | | | 1 | | | 1 | | 2 | 8 |
| 3. | TIK-3 | | | 1 | 1 | | | 2 | 4 | 16 |
| 4. | TIK -4 | | 1 | 1 | 1 | | 1 | | 4 | 16 |
| 5. | TIK -5 | | | 1 | 1 | | 1 | 1 | 4 | 16 |
| 6. | TIK -6 | | | 2 | | 1 | | 1 | 4 | 16 |
| 7. | TIK -7 | | | 1 | | 1 | | 1 | 3 | 12 |
| | Number of item q | uestions: | 3 | 7 | 4 | 2 | 4 | 5 | 25 | |
| | Percen | tage (%): | 12 | 28 | 16 | 8 | 16 | 20 | | 100 |

Example Description Test

Question:

- 1. A balanced dice is thrown twice. If X states how many times the number 4 appears and Y states how many times the number 6 appears from the two throws, specify:
 - a. Shared distribution for X and Y
 - **b.** Calculate $P[(X,Y) \in A]$ for $A = \{(X,Y)|x + 2y \le 3\}$

Answer a:

| f(V V) | | | Total b(u) | | |
|--------|---------|-------|------------|------|------------|
| 1(, | f(X,Y) | | 1 | 2 | Total h(y) |
| | 0 | 16/36 | 8/36 | 1/36 | 25/36 |
| Υ | 1 | 8/36 | 2/36 | 0 | 10/36 |
| | 2 | 1/36 | 0 | 0 | 1/36 |
| Tota | al g(x) | 25/36 | 10/36 | 1/36 | 1 |

$$g(0) = P(X = 0) = f(0,0) + f(0,1) + f(0,2) + \frac{16}{36} + \frac{8}{36} + \frac{1}{36} = \frac{25}{36}$$

$$g(1) = P(X = 1) = \frac{10}{36}, \quad g(2) = P(X = 2) = \frac{1}{36}$$

$$h(0) = P(Y = 0) = f(0,0) + f(0,1) + f(0,2) = \frac{16}{36} + \frac{8}{36} + \frac{1}{36} = \frac{25}{36}$$

$$h(1) = P(Y = 1) = \frac{10}{36}; \quad h(2) = P(Y = 2) = \frac{1}{36}$$

table the Marginal is:

| Х | 0 | 1 | 2 |
|------|-------|-------|------|
| g(X) | 25/36 | 10/36 | 1/36 |

| Υ | 0 | 1 | 2 |
|------|-------|-------|------|
| h(Y) | 25/36 | 10/36 | 1/36 |

Answer b:

$$P[(X,Y) \in A] = \{(X,Y)|x + 2y \le 3\}; x = 0, 1, 2 \ dan \ y = 0, 1, 2$$
$$= f(0,0) + f(0,1) + f(1,0) + f(1,1) + f(2,0) = \frac{16}{36} + \frac{8}{36} + \frac{8}{36} + \frac{2}{36} + \frac{1}{36} = \frac{35}{36}$$

Scoring Guidelines

| No. | Assessed Aspects / Concepts | Skor |
|-----|---|------|
| 1 | Able to make a shared distribution table of 2 variables as shown in the answers a. and calculation $g(0) = P(X=0) = f(0,0) + f(0,1) + f(0,2) = \frac{16}{36} + \frac{8}{36} + \frac{1}{36}$ $= \frac{25}{36}$ | 30 |

| | | $g(1) = P(X = 1) = \frac{10}{36}, g(2) = P(X = 2) = \frac{1}{36}$ $h(0) = P(Y = 0) = f(0,0) + f(0,1) + f(0,2) = \frac{16}{36} + \frac{8}{36} + \frac{1}{36}$ $= \frac{25}{36}$ $h(1) = P(Y = 1) = \frac{10}{36}; h(2) = P(Y = 2) = \frac{1}{36}$ | |
|-------------|---|---|-----|
| 2 | | Able to make marginal tables from each variable | |
| | а | g(x); x = 0, 1, 2 $g(0) = \frac{25}{36}; g(1) = \frac{10}{36}; g(2) = \frac{1}{36}$ | 15 |
| | b | h(y); y = 0, 1, 2 $h(0) = \frac{25}{36}; h(1) = \frac{10}{36}; h(2) = \frac{1}{36}$ | 15 |
| 3 | | Able to calculate opportunities along with the construction of definitions given $P[(X,Y) \in A] = \{(X,Y) x+2y \leq 3\}; x=0,1,2 \ dan \ y=0,1,2$ $= f(0,0) + f(0,1) + f(1,0) + f(1,1) + f(2,0)$ $= \frac{16}{36} + \frac{8}{36} + \frac{8}{36} + \frac{2}{36} + \frac{1}{36} = \frac{35}{36}$ | 40 |
| Score total | | | 100 |